Adobe® After Effects CC

CLASSROOM IN A BOOK

- Adobe 公司推出的权威经典教程
- 畅销全球 20 年的著名品牌图书
- 在全世界以 27 种语言火爆发行



Adobe After Effects CC 经典教程

Adobe 公司编写的学习用书

附光盘

［美］Adobe 公司 著　郭光伟 译

人民邮电出版社
POSTS & TELECOM PRESS

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□□□Adobe After Effects CC□□□□

ISBN□978-7-115-35997-1

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- Sample_Movie□□□□□Lesson01.mov□

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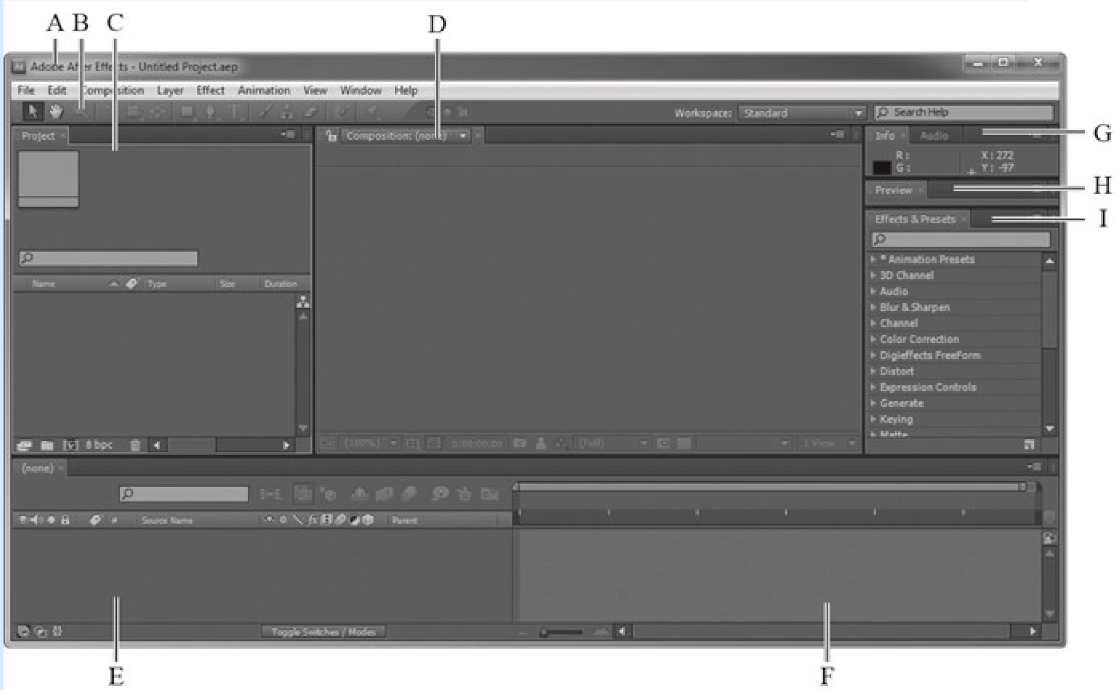
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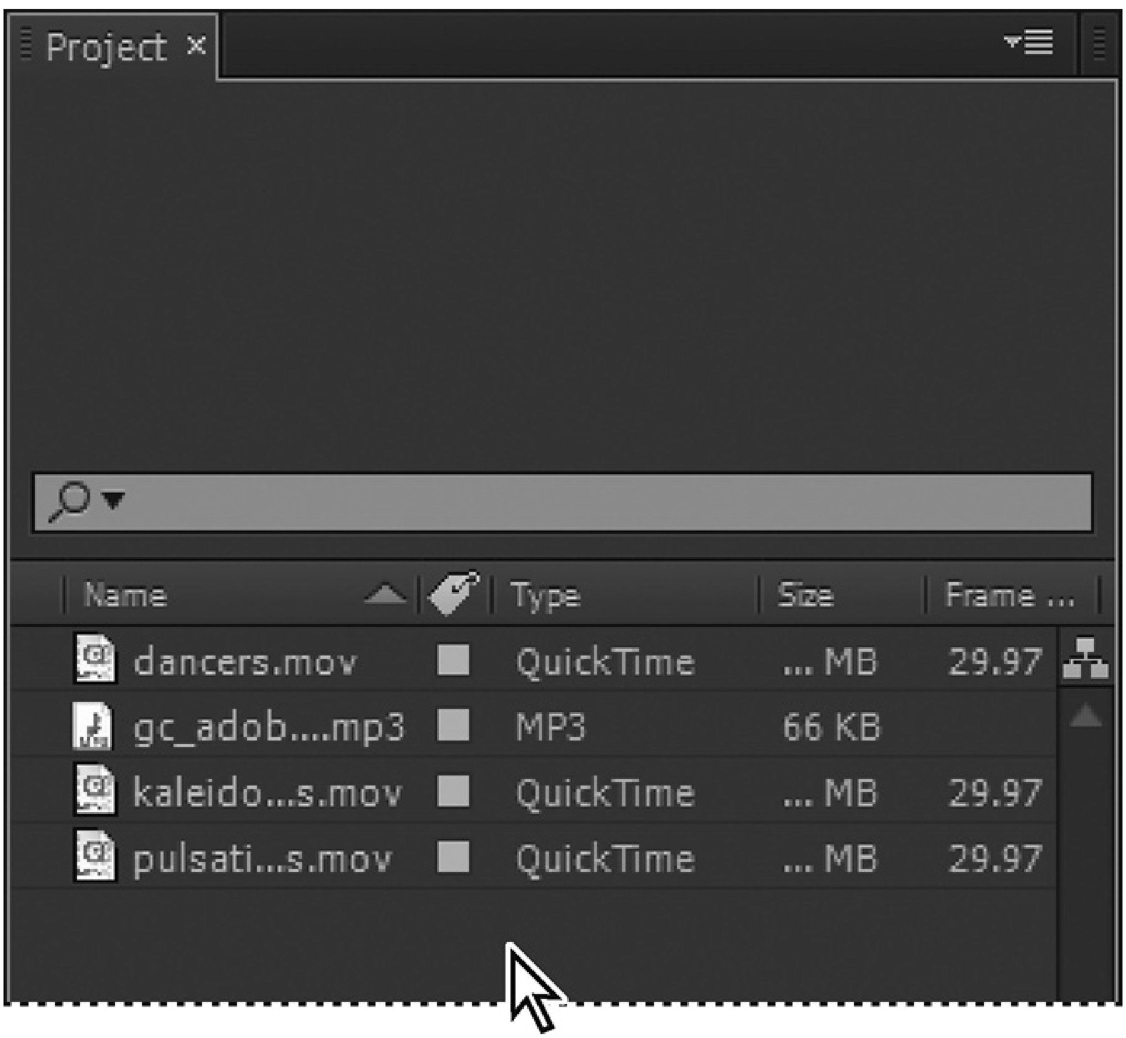
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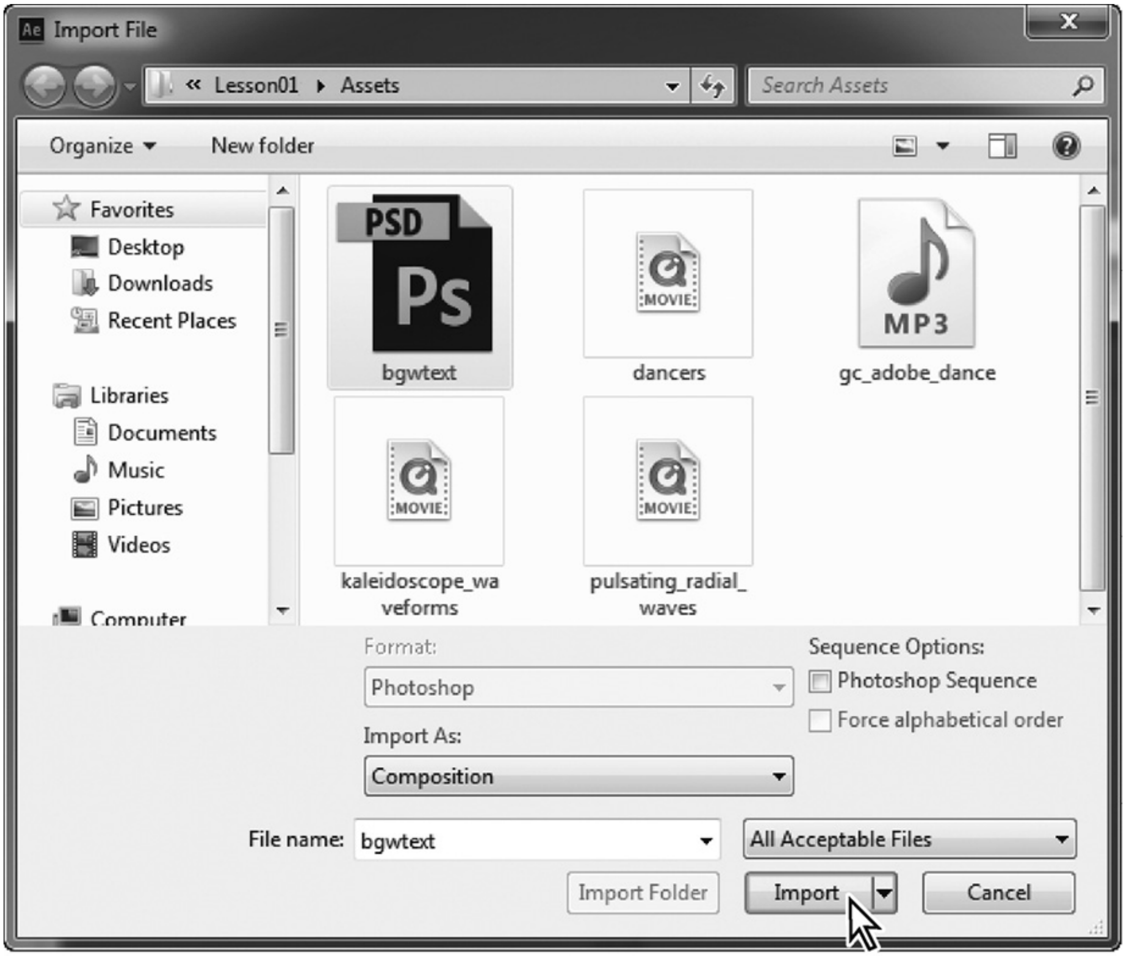
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□1.3

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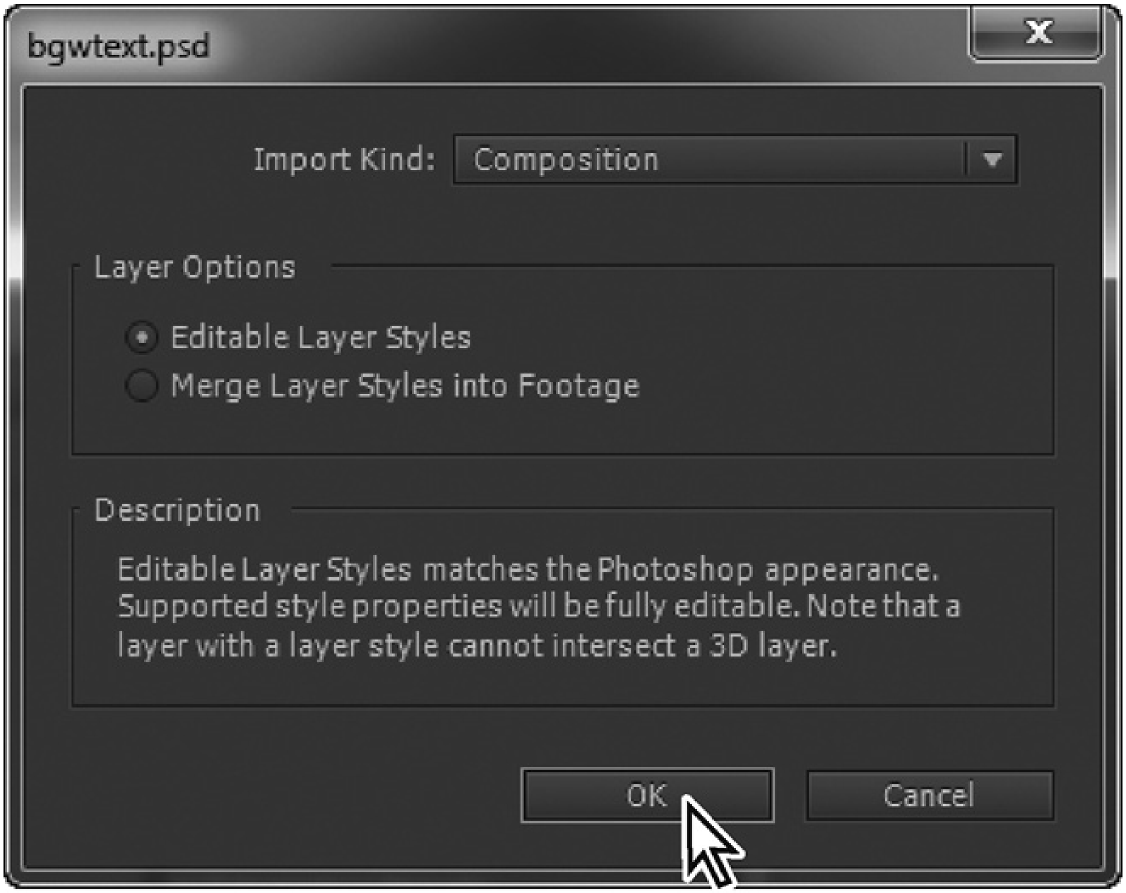
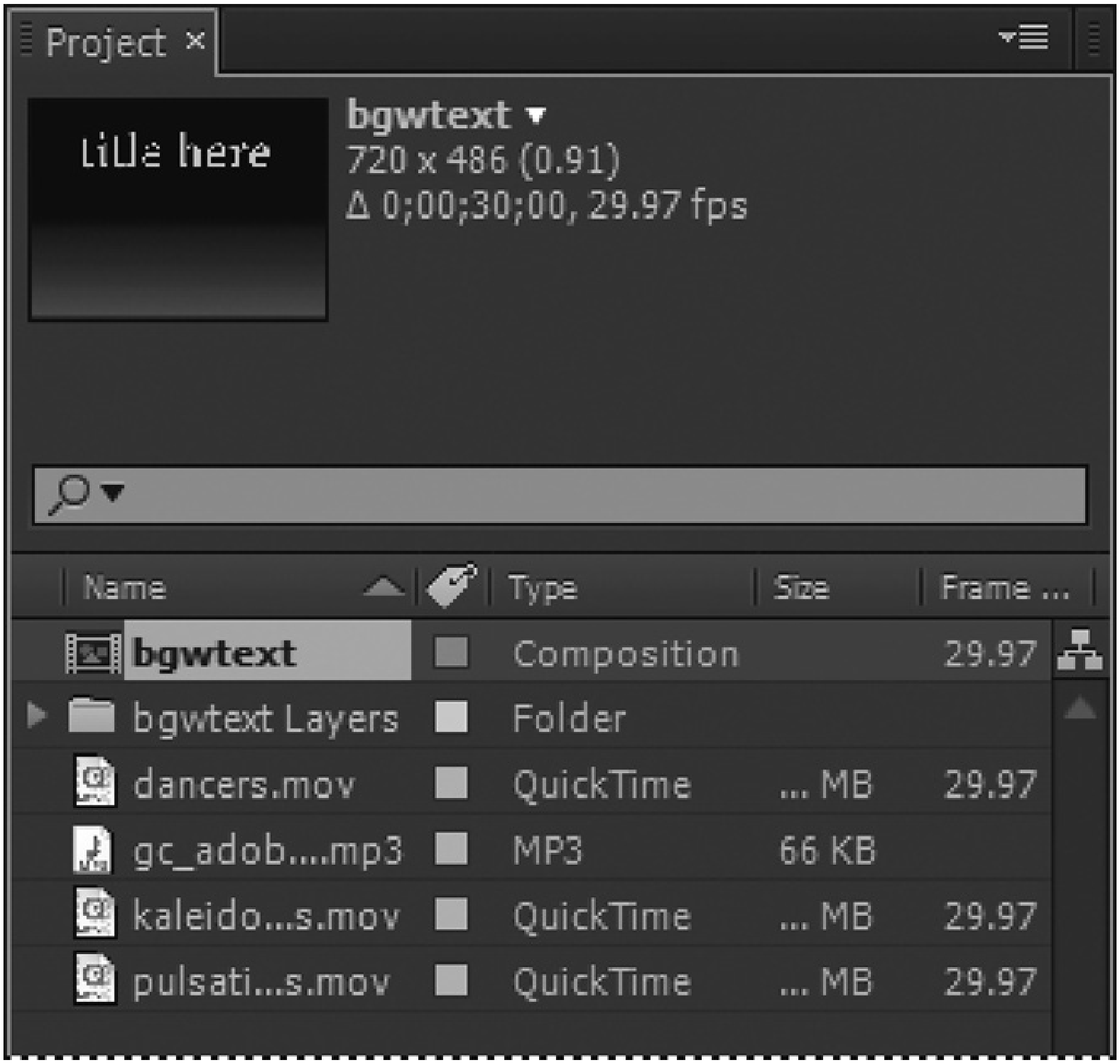
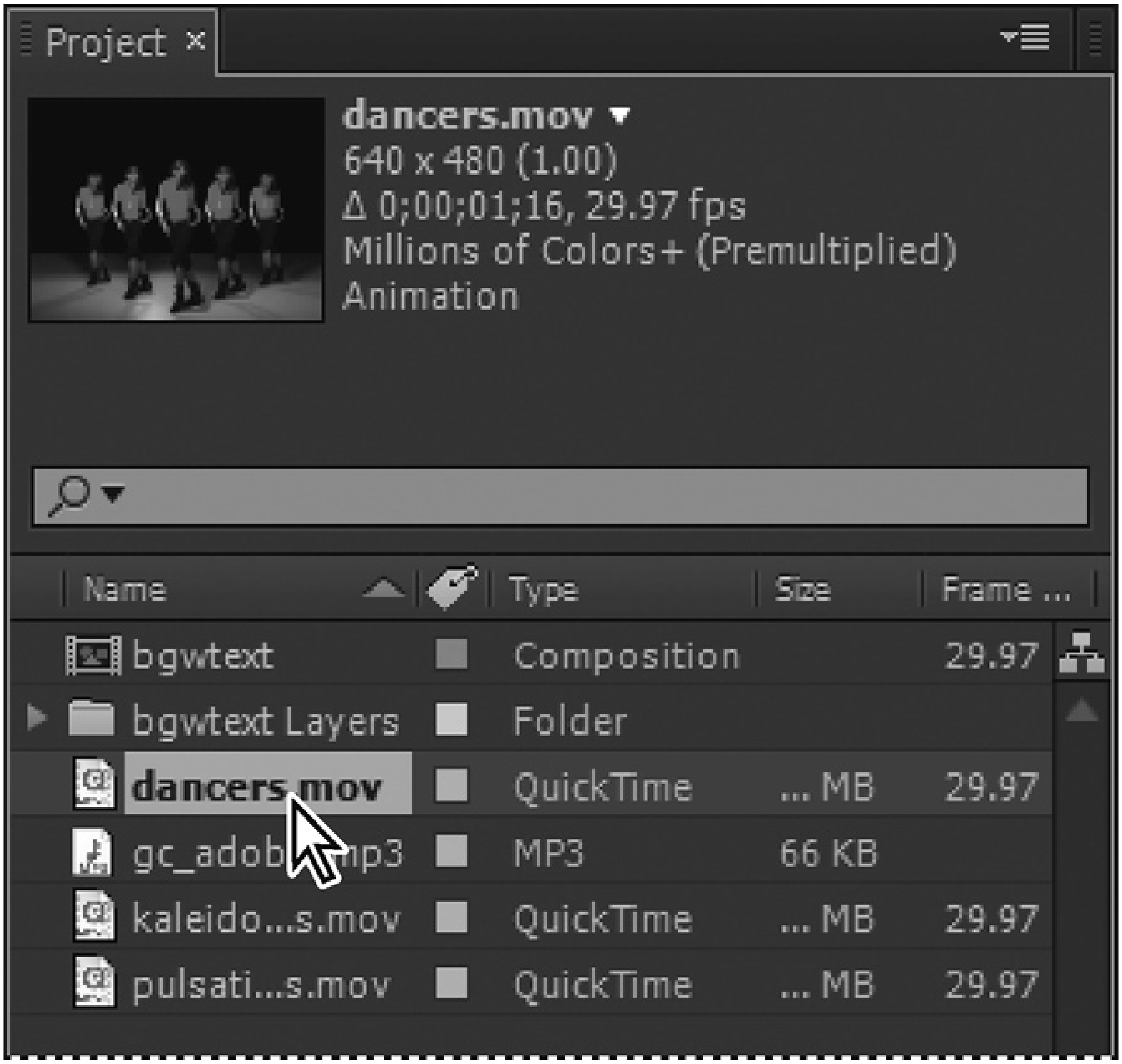

bgwtext.psd
Import Kind:
Composition
Layer Options
Editable Layer Styles
Merge Layer Styles into Footage
Description
Editable Layer Styles matches the Photoshop appearance. Supported style properties will be fully editable. Note that a layer with a layer style cannot intersect a 3D layer.
OK
Cancel

图1.4



□1.5

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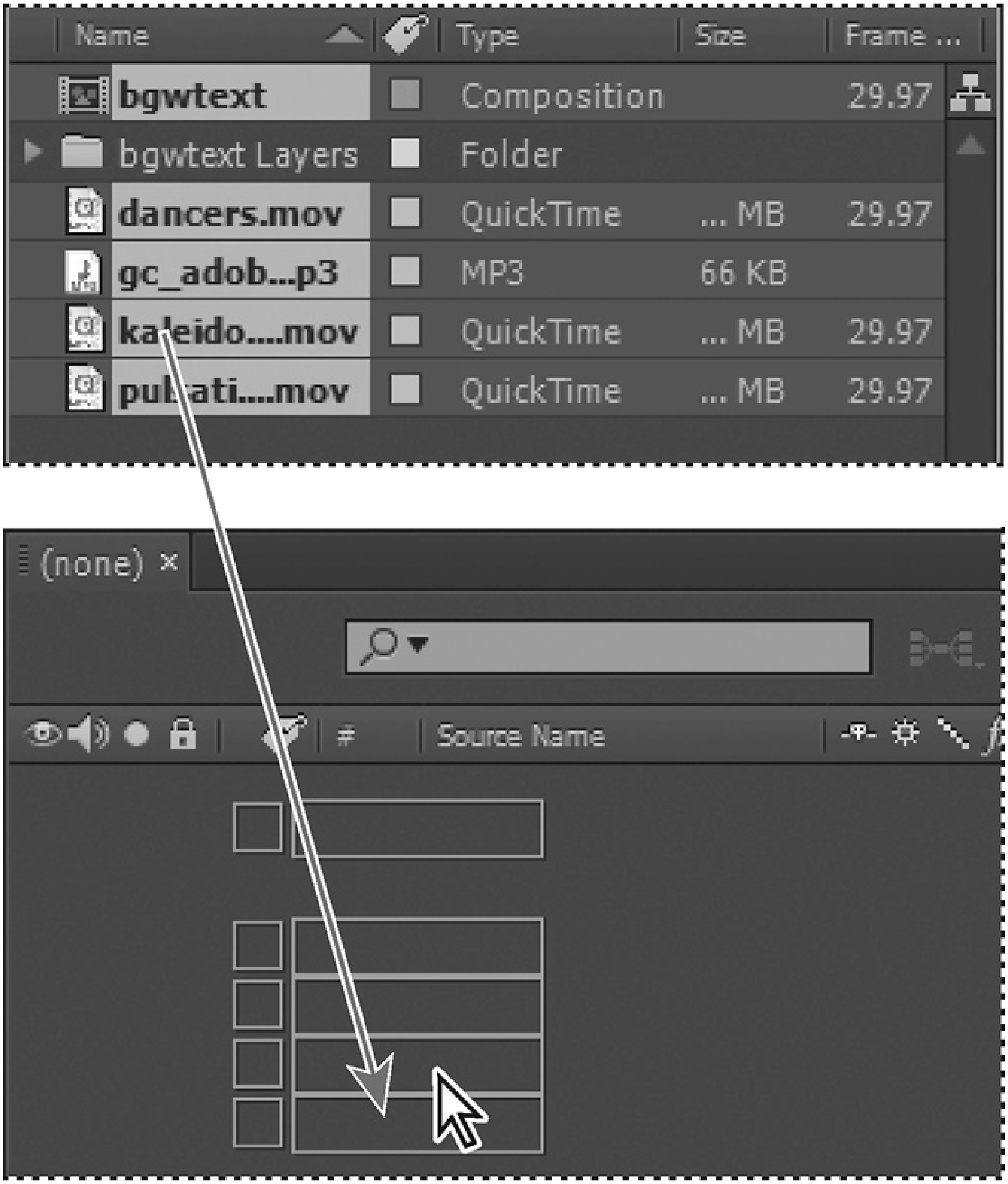
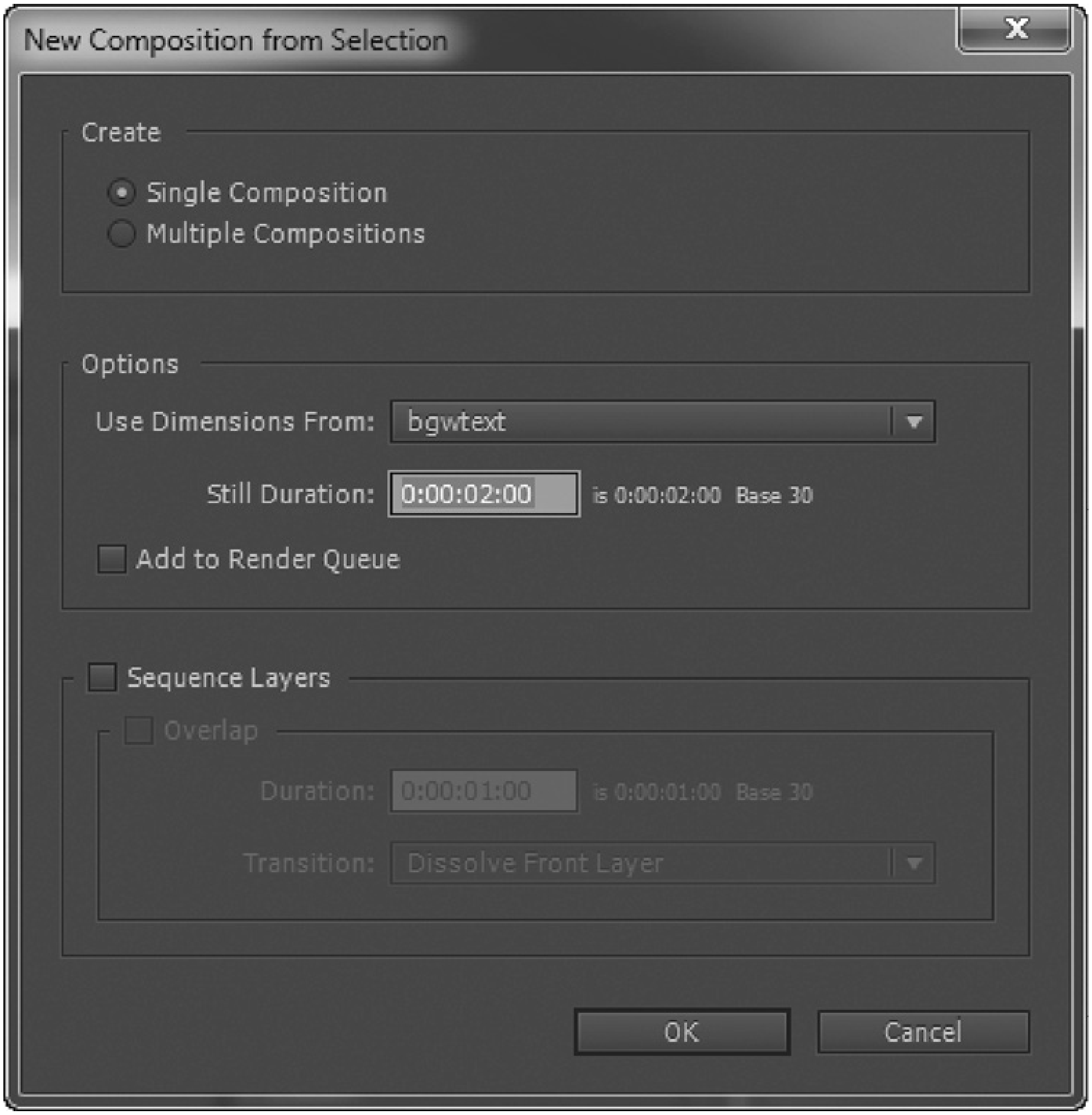

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图1.7　　图1.8

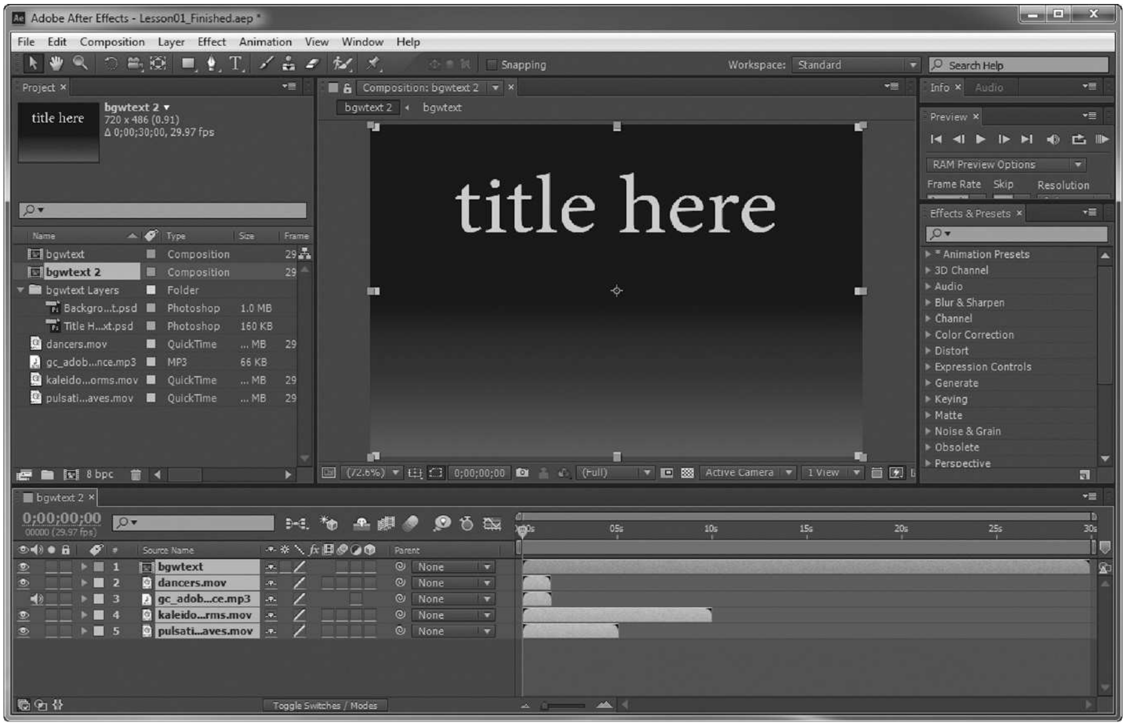


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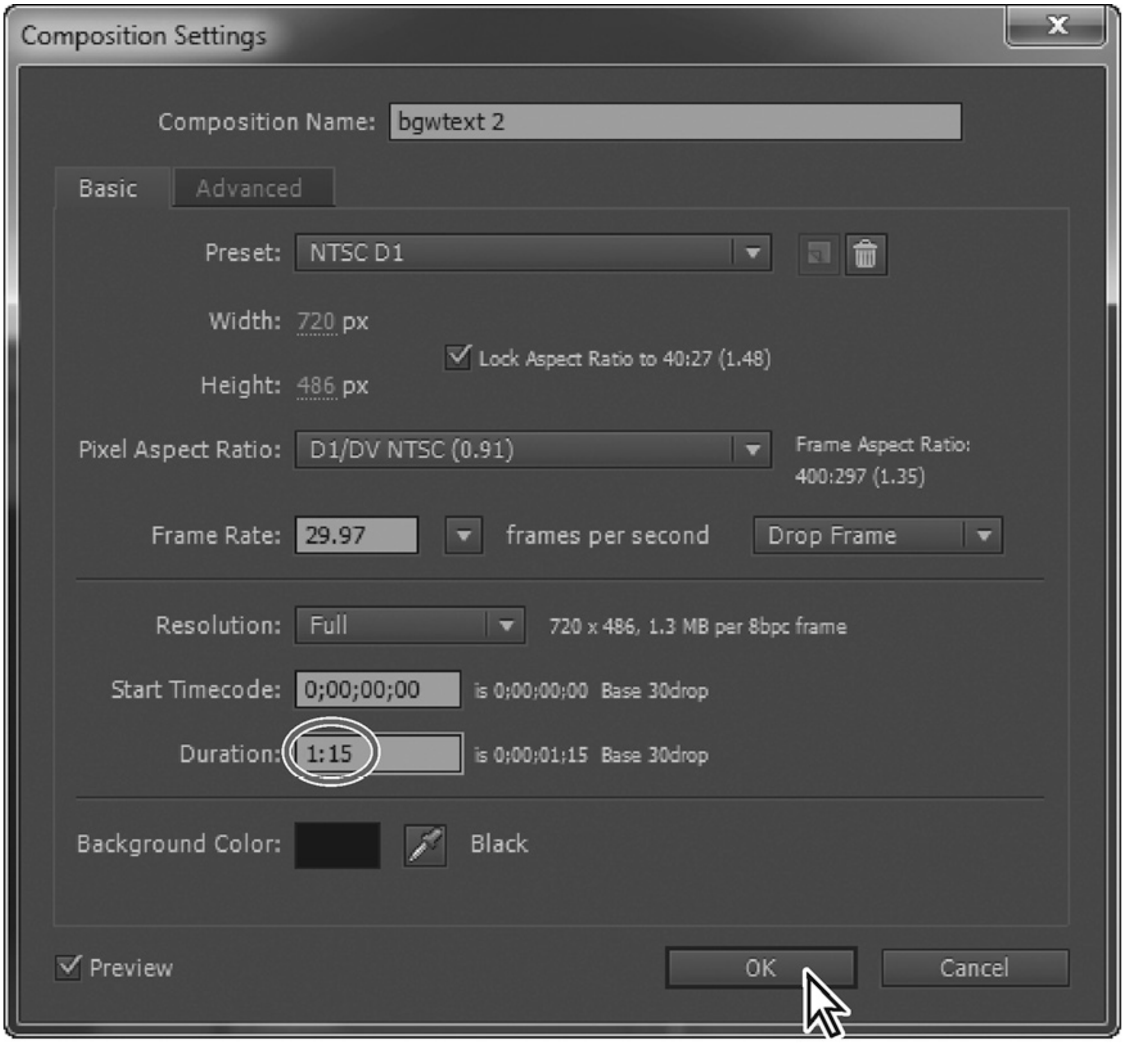
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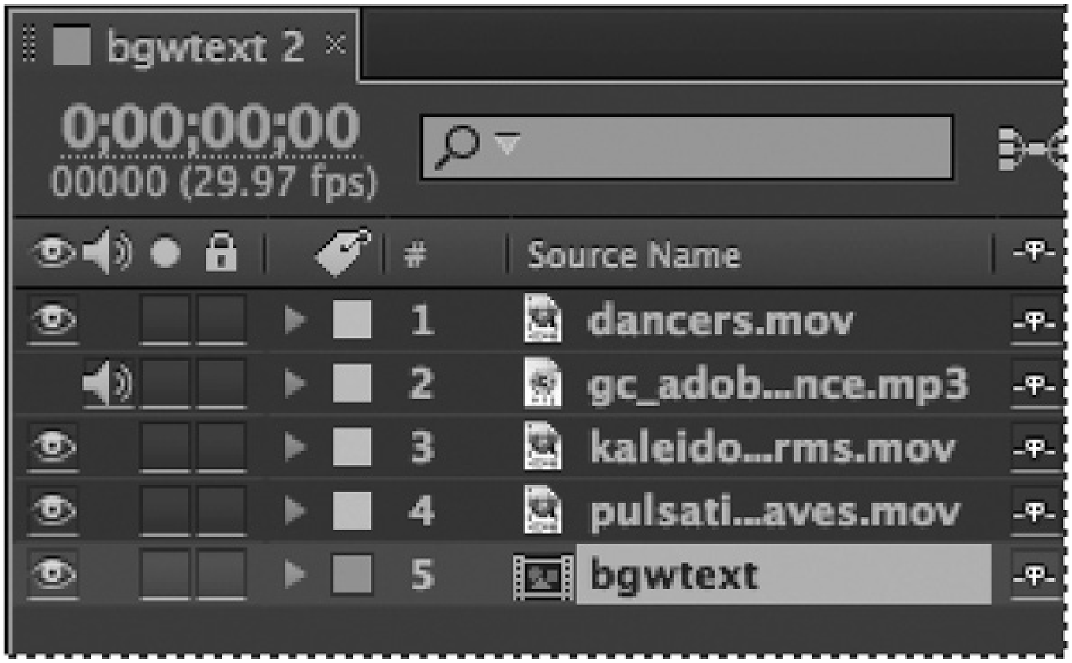


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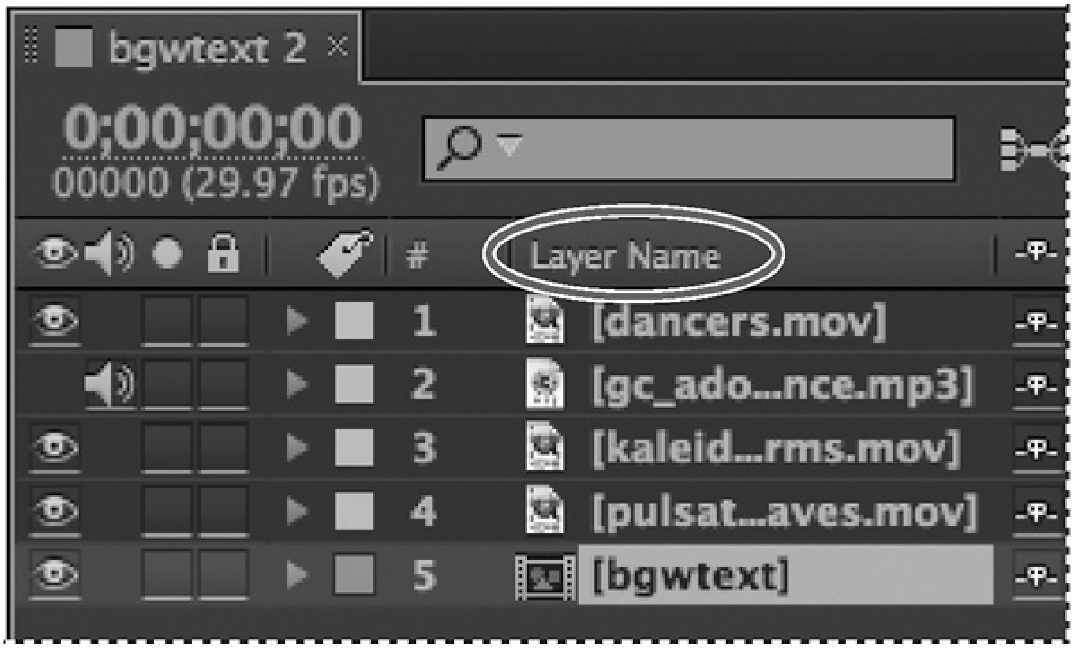


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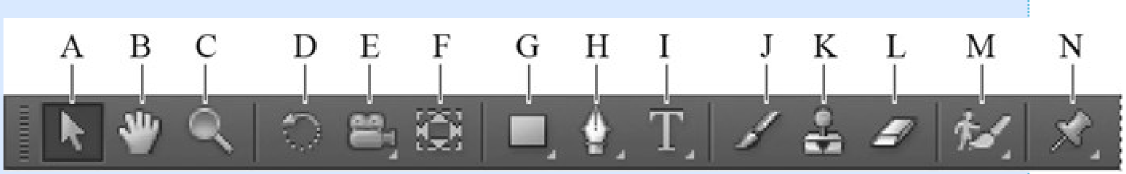


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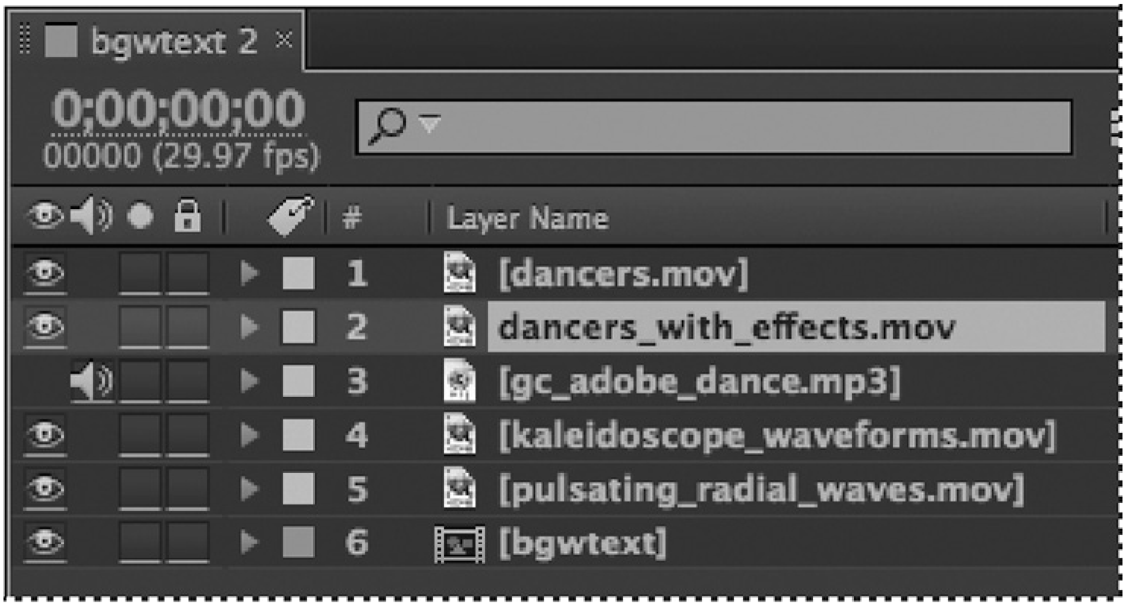
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1.4.1 □□□□

□□□□□□□——□□□□Kaleidoscope_waveforms□□——□□

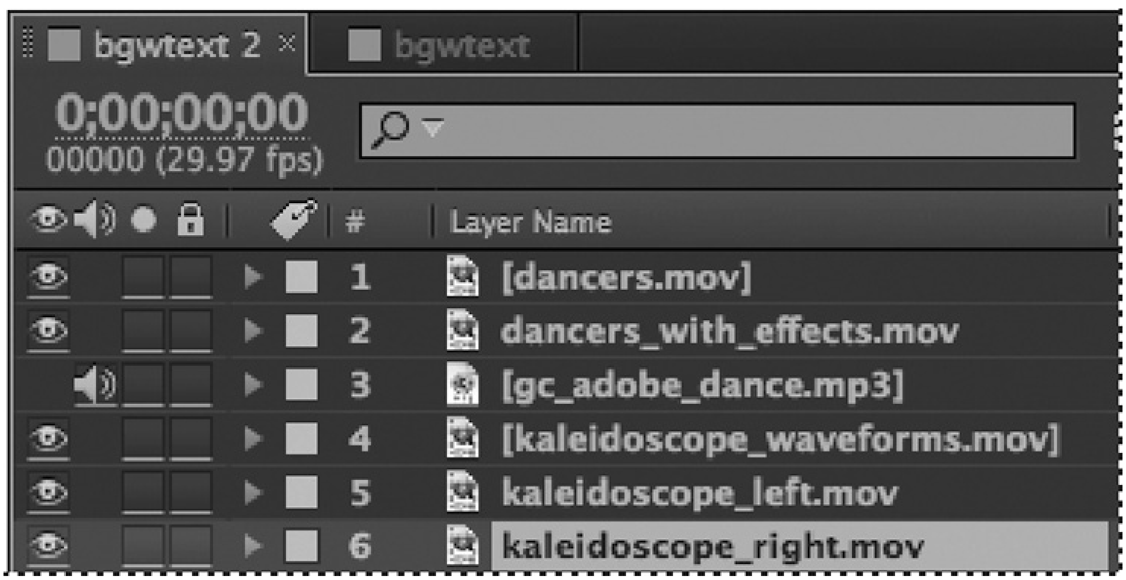
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2. □□□□□□□□□□□□□□□□□□Enter□Windows□□Return□Mac OS□□□□□□□□□□□□□□dancers_with_effects.mov□□□□Enter□Return□□□□□□□□□1.15□□□



□1.15

3. □□Kaleidoscope_waveforms□□□□□□□□□□□□□□□□□□□□ kaleidoscope_left.mov□kaleidoscope_right.mov□□□1.16□□□



□1.16

> **□□:**
>
> □□□□□□Ctrl+D□Windows□□Command+D□Mac OS□□□□□□

4. □□□□□□Timeline□□□□□□□□□□□□□

1.4.2 □□□□□□□

Radial Blur□□

1. □Timeline□□□□□dancers_with_effects□□□□□Composition□□□□□□□□□□□□□□□□□1.17□□□



□1.17

> □□□
>
> □Timeline□□□□□□□□□□□□□□□Layer□□□□□□Composition□□□□□Composition□□□□

2. □□□□□□□□□Effects & Presets□□□□□□□□□□□□□□□□□radial blur□

After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Radial Blur□□□□Blur & Sharpen□□□□□□□□□□□□□□□□□□□□□□□□1.18□□□



□1.18

3. □Radial Blur□□□□□Timeline□□□□dancers_with_effects□□□□After Effects□□□□□□□□□□□□□□□□□□□□Effect Controls□□□□□□□□□□1.19□□1.20□□□

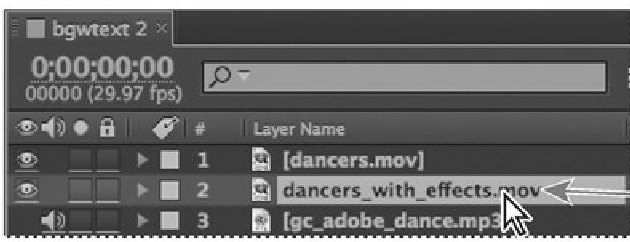
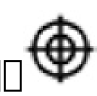




图1.19 图1.20

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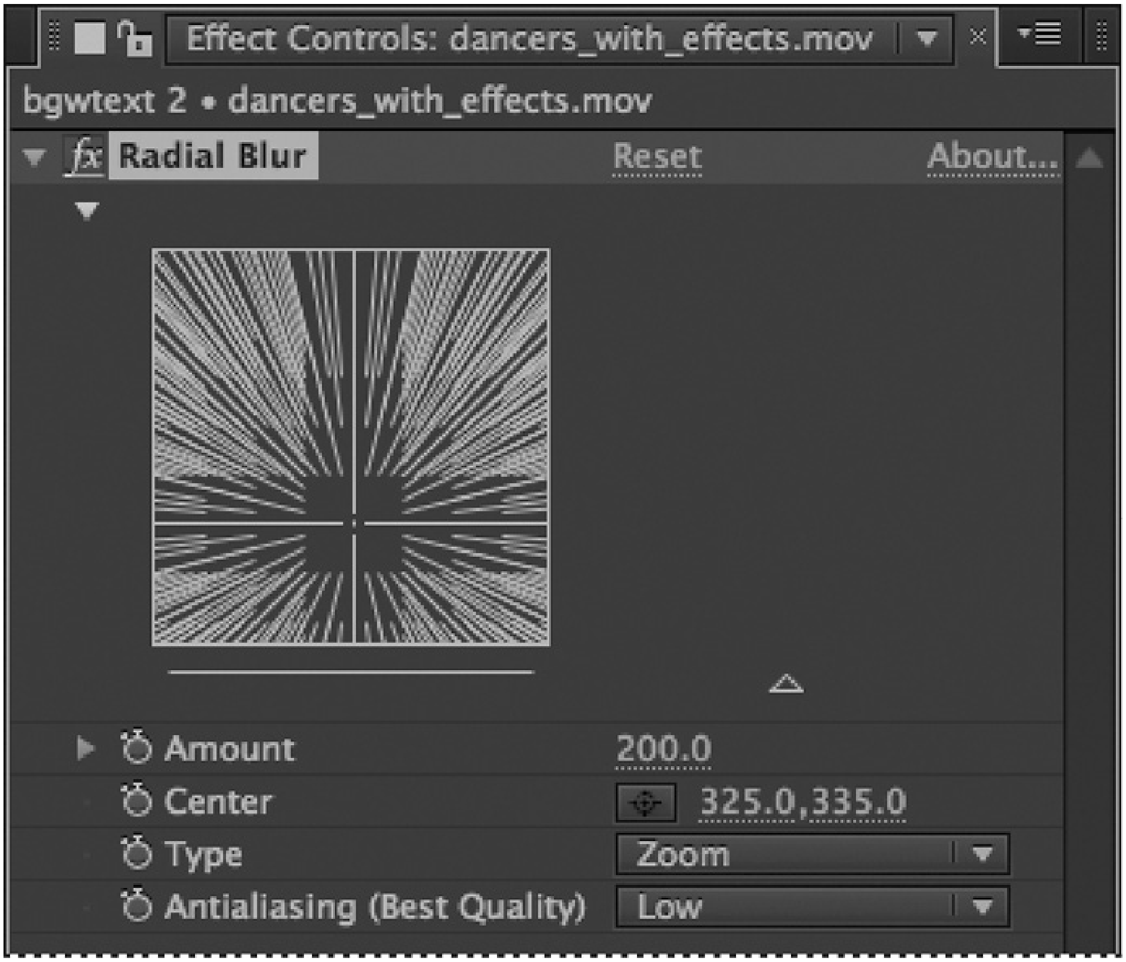
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5. □Composition□□□□□□□□□□□□□□□  □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Effect Controls□□□□Center□□□□□□□□□□□□□□□□□□□□□□□□□*x* □*y* □□□□□□□□□□□□□□□325□335□□

□□:

□□□□Effect Controls□□□□□□□□□□□□□*x* □*y* □□□□□□□□□□□□□□□□□□□□□□□□□□  □□□

6. □□Amount□□□□□□□□□□□□200□□□□Enter□Return□□□□1.21□□1.22□□□



□1.21



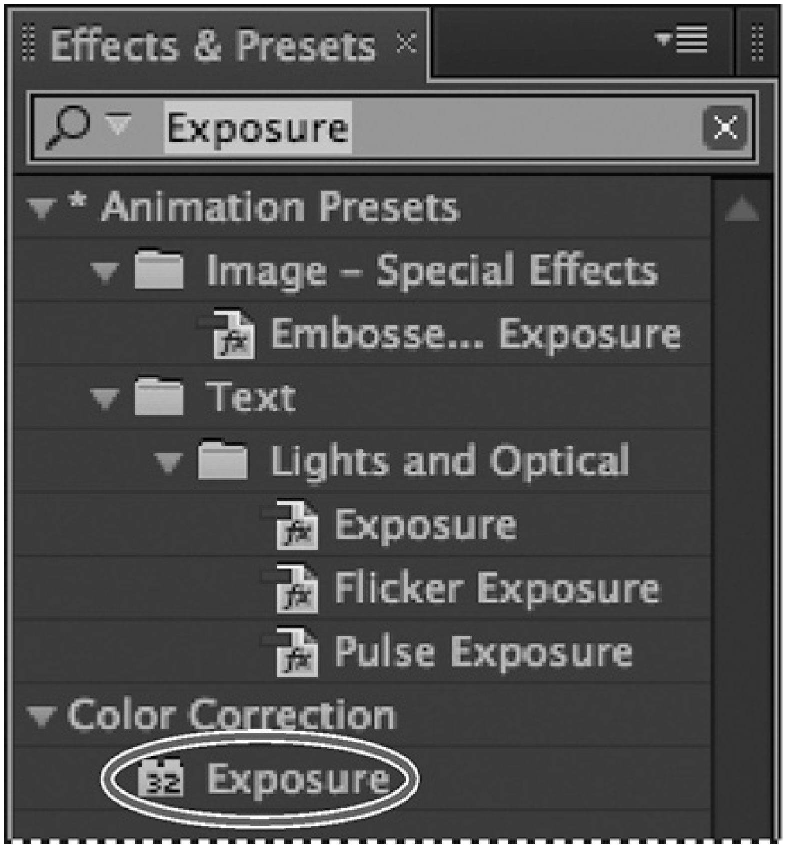
□1.22

1.4.3 □□□□□□

□□□□□□□□□□□□□□□Exposure□□□

1. □□Effect & Presets□□□□x□□□□□□□□□□□□□□□□□□□□□Exposure□□□□□□□

- □□□□□□□Exposure□□□1.23□□□



□1.23

- □□Color Correction□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

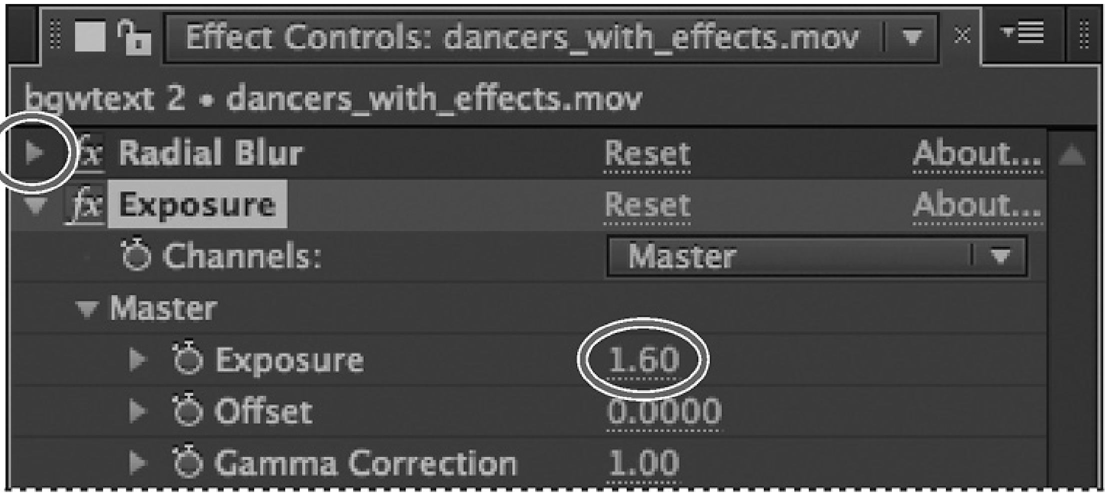
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□□:

□□□□□Color Correction□□□Exposure□□□□□□Lights And Optical□□□Exposure□□□□□□□□□

3. □Effect Controls□□□□□□Radial Blur□□□□□□□□□□□□□□□□□□□□□□□□□□Exposure□□□□□

4. □Master□□□□□□□Exposure□□□□□1.60□□□□□□□□□□□□□□□□□□□□□□1.24□□1.25□□□



□1.24



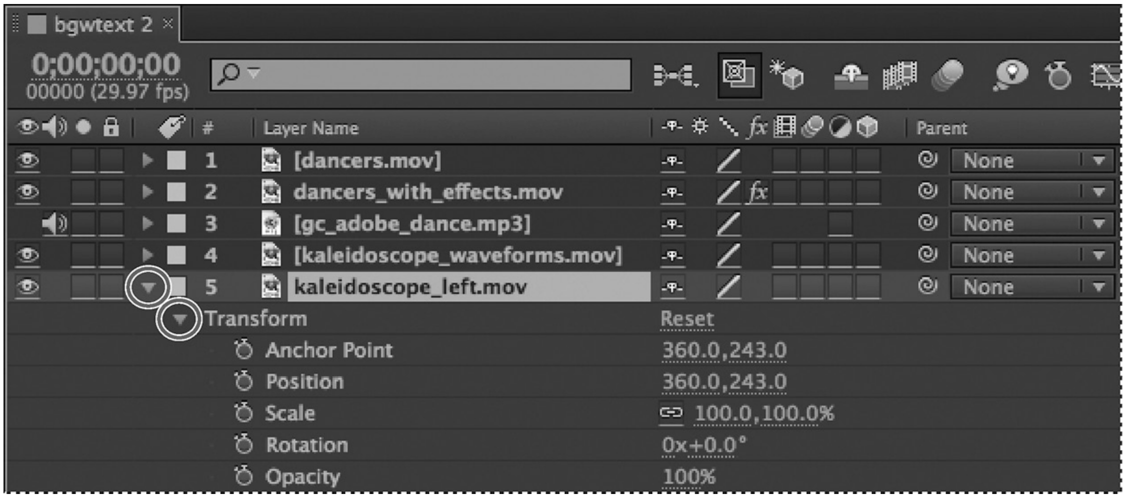
□1.25

1.4.4 □□□□□□

□□
□□

1. □Timeline□□□□□Kaleidoscope_left layer□□□□□□□

2. □□□□□□□□□□□□□□□□□□□□Transform□□□□□Anchor Point□□□□Position□□□□Scale□□□□Rotation□□□□Opacity□□□□□□□1.26□□□



□1.26

3. □□□□□□□□□□□Timeline□□□□□□□□□□□□□□□□□□Kaleidoscope_left□□□□□P□□□□□□□□Position□□□□□□□□□□□□□□□

□□□□□□□□□200□□□□

□□:

□Timeline□□□□□□□□□□□□□□□□□□□□□□□□□Transform□□□□□□

P□□Position□□□□

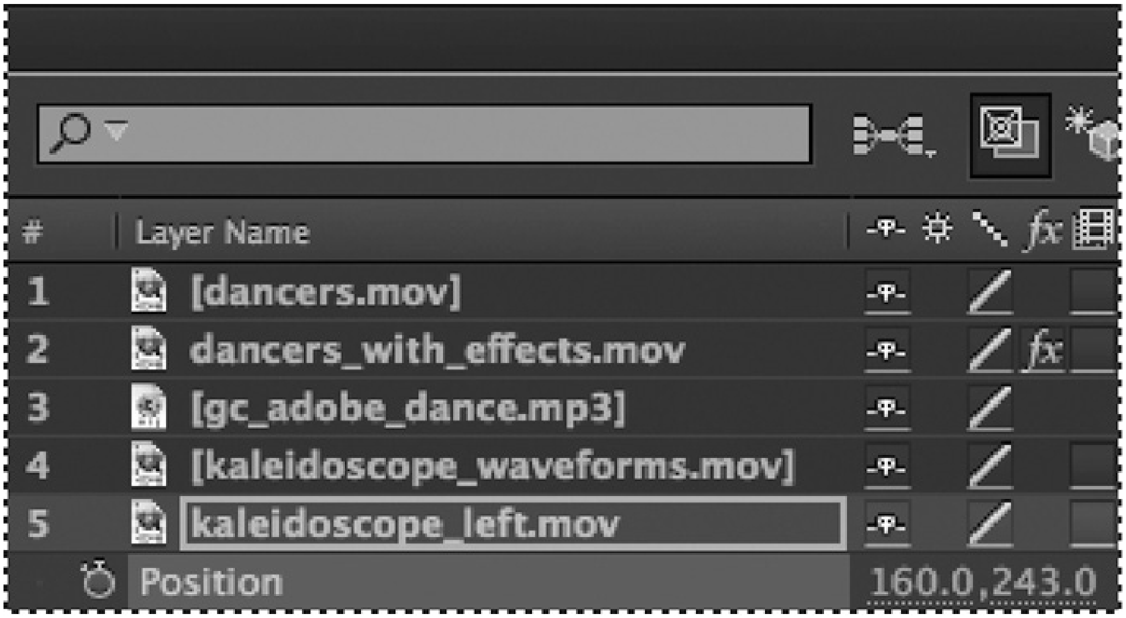
A□□Anchor Point□□□□

S□□Scale□□□□

R□□Rotation□□□□

T□□Opacity□□□□□□

4. □Position□□□□*x* □□□160□□□*y* □□243□□□□1.27□□1.28□□□



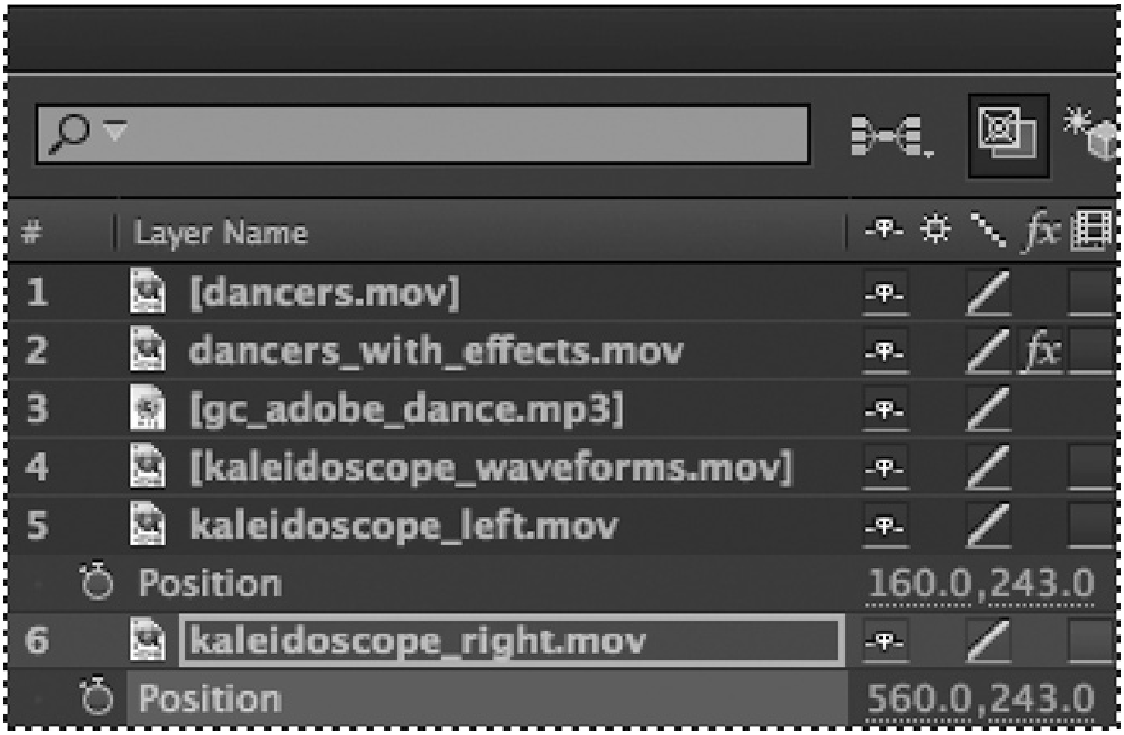
□1.27



□1.28

5. □□Kaleidoscope_right□□□□□6□□□P□□□□Position□□□□□□□□□□□□□□
□□

6. □Kaleidoscope_right□□Position□□□*x* □□□□□560□□□□*y* □□□243□□□□□□□□□□□□□□□□□□3□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1.29□□1.30□□□



□1.29

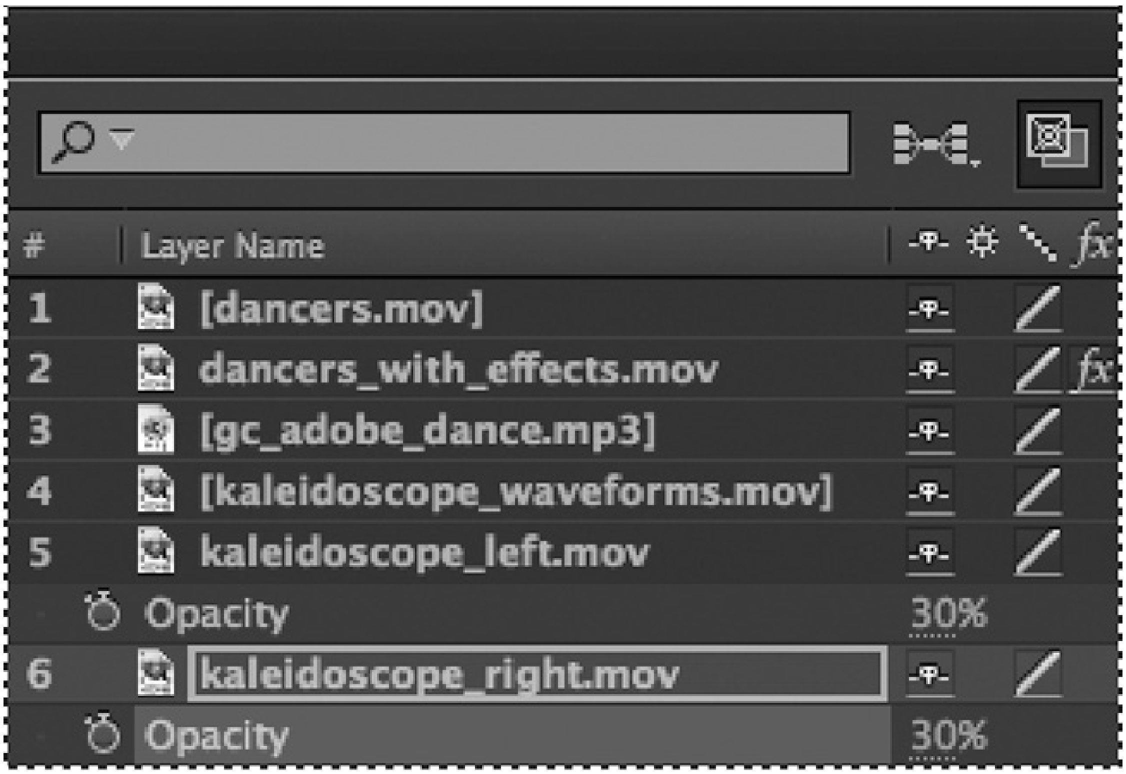


□1.30

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7. □Timeline□□□Kaleidoscope_left□□□T□□□Opacity□□□□□
30%□

8. □Timeline□□□Kaleidoscope_right□□□T□□□Opacity□□□□
□30%□□1.31□□1.32□□



□1.31



□1.32

> **□□:**
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> □□□□□□□□□□□□Opacity□□□□□□□□□□□□□□T□□□□□□□□□□□□□□□□□□□□□□□□□□

9. □□File>Save□□□□□□□□□□□

1.5 □□□□□□□□□□

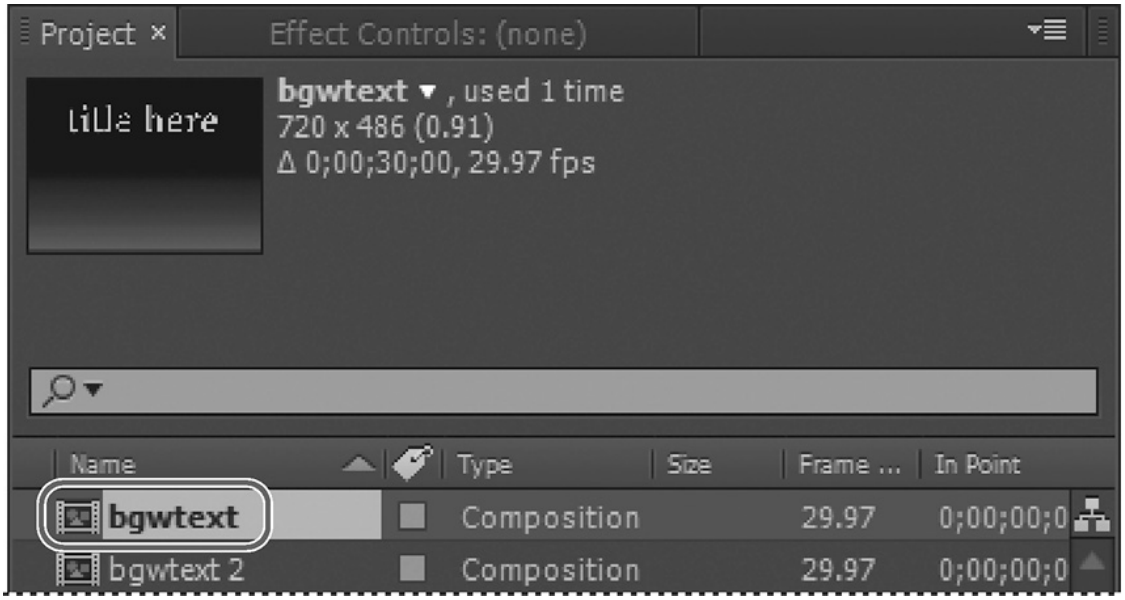
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□After Effects□□Position□□□□□□□□□□□□□□□□□□□□□□□□□□□

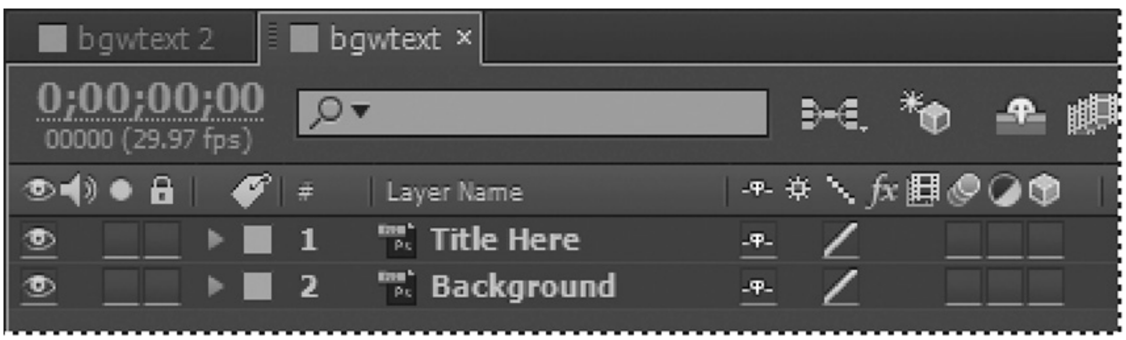
1.5.1 □□□□□□

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1. □□Project□□□□□□□□Project□□□□□□bgwtext□□□□□□□□□Timeline□□□□□□□□□□1.33□□1.34□□□



□1.33



□1.34

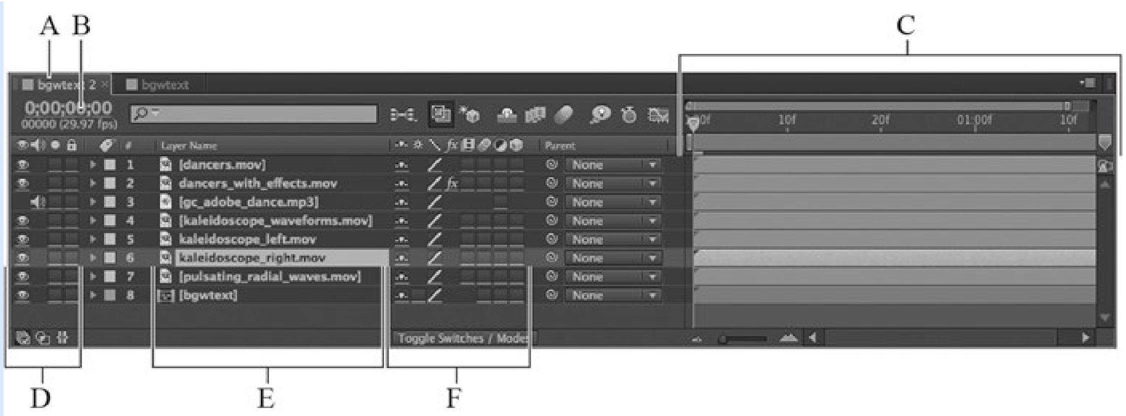
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□□□□□□□□□Photoshop□□□□□□□□□□□□□——Title Here□Background——□□□Timeline□□□□Title Here□□□□Photoshop□□□□□□□□

Timeline□□

□□□□□Timeline□□□□□□□□□□□□□□□□□□□□In□□□□□Out□□□□□□In□Out□□□□□□□□□□□□□□□□□□□□□□□□□□Timeline□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Timeline□□□□□□□□□□□□□□□□1.35□□□

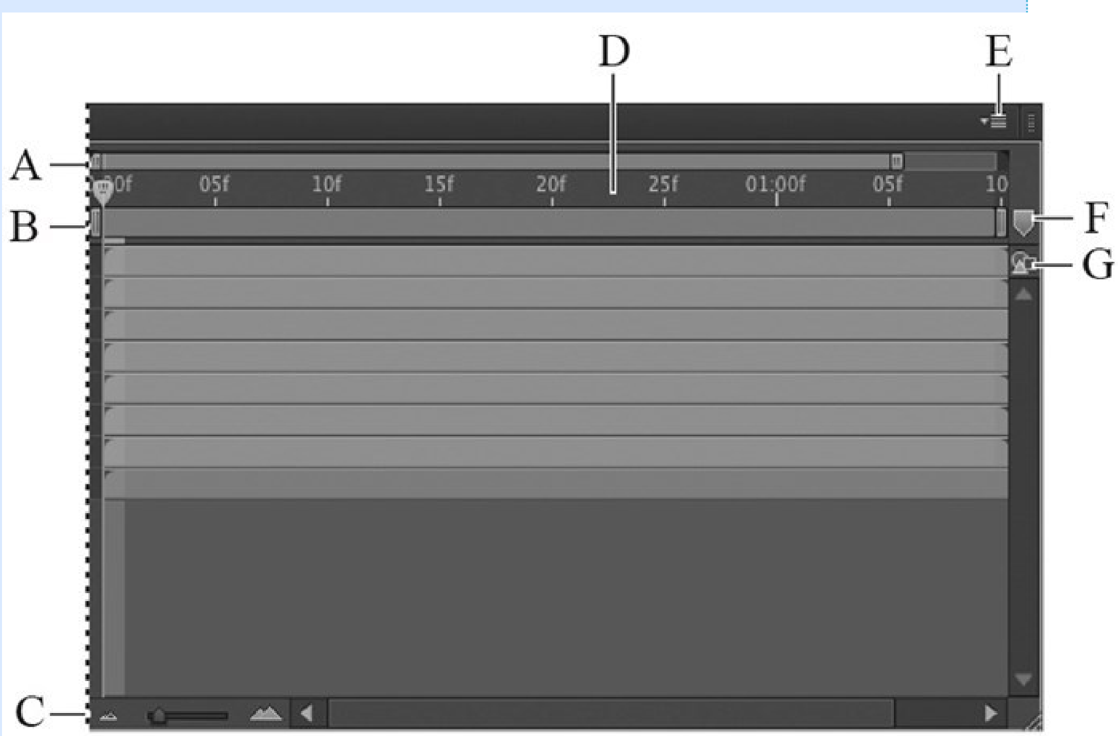


□1.35

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□□□□

Timeline□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1.36□□□



□1.36

A□□□□□□□□□□□□□□□ B□□□□□□□□□□□□ C□□□□□□□ D□□□□□ E□□□□□□□□ F□□□□□□□ G□□□□□□□

□□

□□

Timeline□□Timeline□□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□OK□□□□

□□Timeline□□□□□□□□□□□□After Effects□□□□□

Composition□□□□□Composition Navigator□□□□□□□□□□□□□□□□□bgwtext 2□□□□□□□□bgwtext□□□□□□□□□□□□□□□□□□□□□1.37□□□

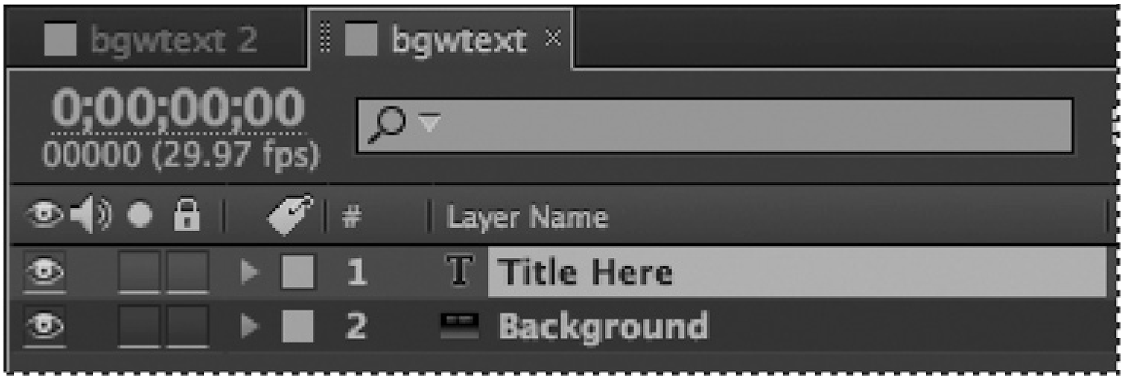


□1.37

□□□□□□□□□□□□□□□Composition Navigator□□□□□□□□□□□□□□□□□□□□□□□□□□□

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2. □Timeline□□□□Title Here□□□1□□□□□Layer□□□□>Convert to Editable Text□□□□□□□□□□□□□1.38□□1.39□□□



[illegible]1.38



[illegible]1.39

[illegible]

[illegible]OK[illegible]

Timeline[illegible]T[illegible]Composition[illegible]

1.5.2 [illegible]

[illegible]

1. □Tools□□□□□Horizontal Type□□□T□□□□□□□□□□□□□Composition□□□□□□□□□□□□□□□□□□□□□□AQUO□□□1.40□□1.41□□□



□1.40



□1.41

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图1.42

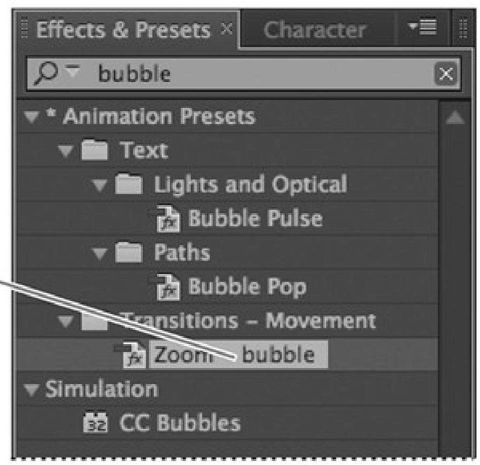


图1.43

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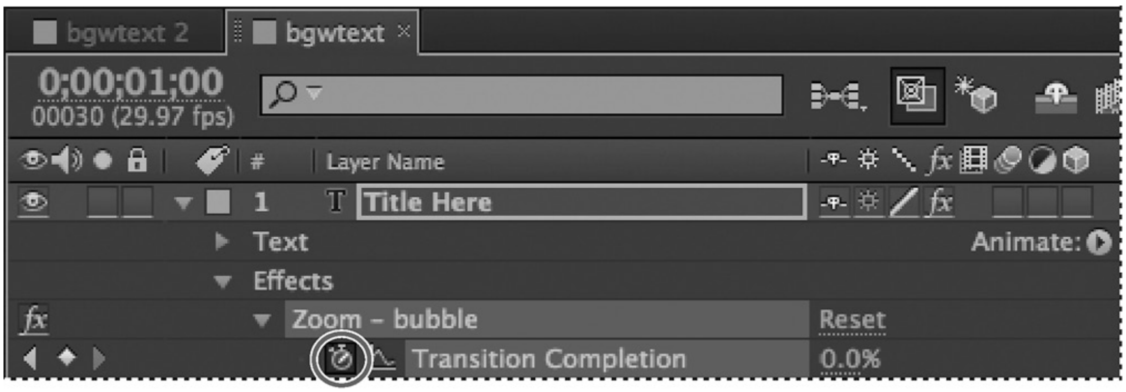
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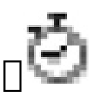
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□□After Effects□□□

5. □Timeline□□□□□Title Here□□□□□□Effects > Zoom-bubble□□□Transition Completion□□□□□□□□□□□□□□□□1.44□□□



□1.44

Transition Completion□□□□□□□□□□□□□□□□□□□□□□□□□□0%□□□□□□□□□□Transition Completion□□□□□□□□□□□□□□□□□□□□□After Effects□□□□□□□

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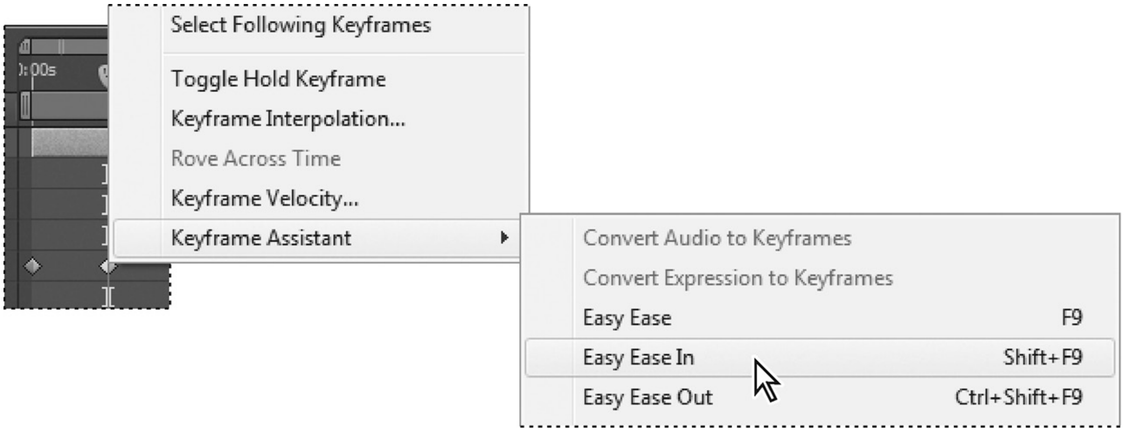
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6. □□□□Timeline□□□□Current Time□□□□□100□□□□□□□□□□□□□□□□□□□□□□□1:00□

7. □Transition Completion□□□□100%□

□□□□□□□□□□□□□□□Easy Ease□□□

8. □□□□□Control-□□1:00□□□□□□□□□Keyframe Assistant > Easy Ease In□□□□□□□□□□1.45□□□



□1.45

> **□□:**
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> □□□□□□□□Timeline□□□□□□□□□□□□□□□□□□□□□□□□□

□□□

9. □□□□□□□0□□1:00□□□□□□

1.5.3 □Effect Controls□□□□□□□□

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1. □□□□□□□□□□□□□□□□□

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- □□Timeline□□□Composition□□□Current Time□□□□□□□□□00□□□□□□Composition□□□Current Time□□□□OK□□□Go To Time□□□□□□□□□

2. □Effects & Presets□□□□□□□□Channel Blur□

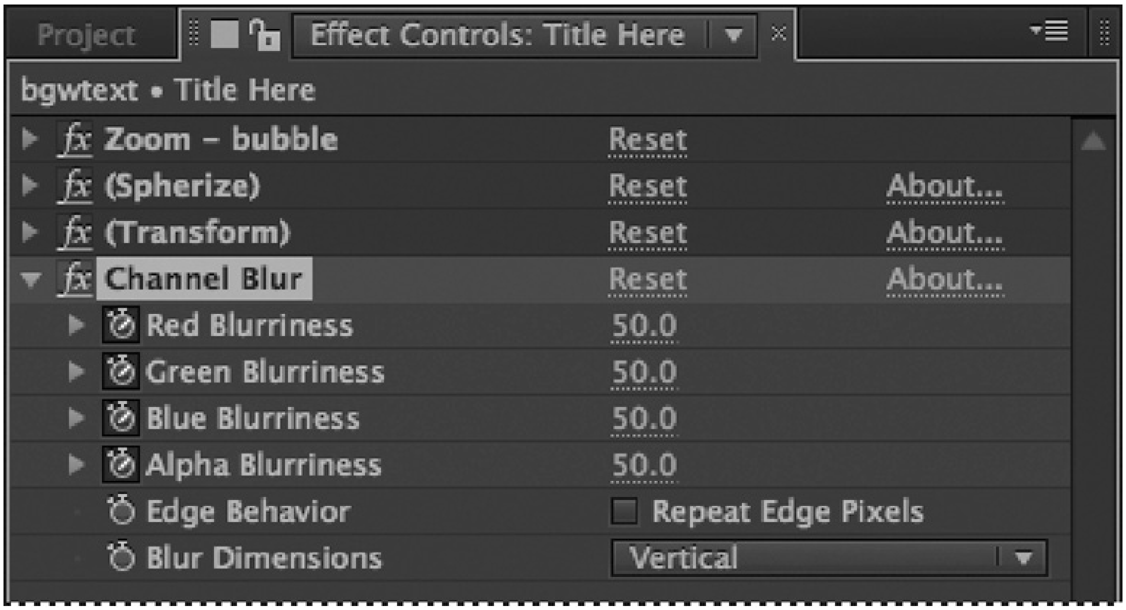
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4. □Effect Controls□□□□Zoom-bubble□Spherize□Transform□□□□□□□□□□□□□□□□□□□□□Channel Blur□□

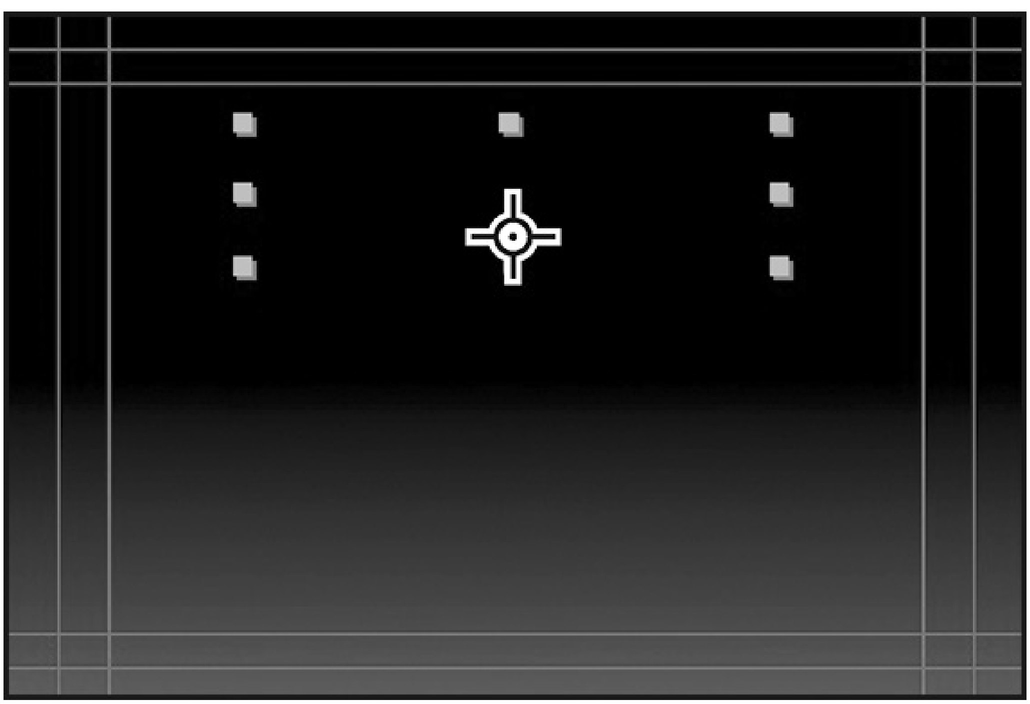
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6. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

7. □Blur Dimensions□□□□□□□□□□□□Vertical□□□□□□□1.46□□1.47□□□



□1.46

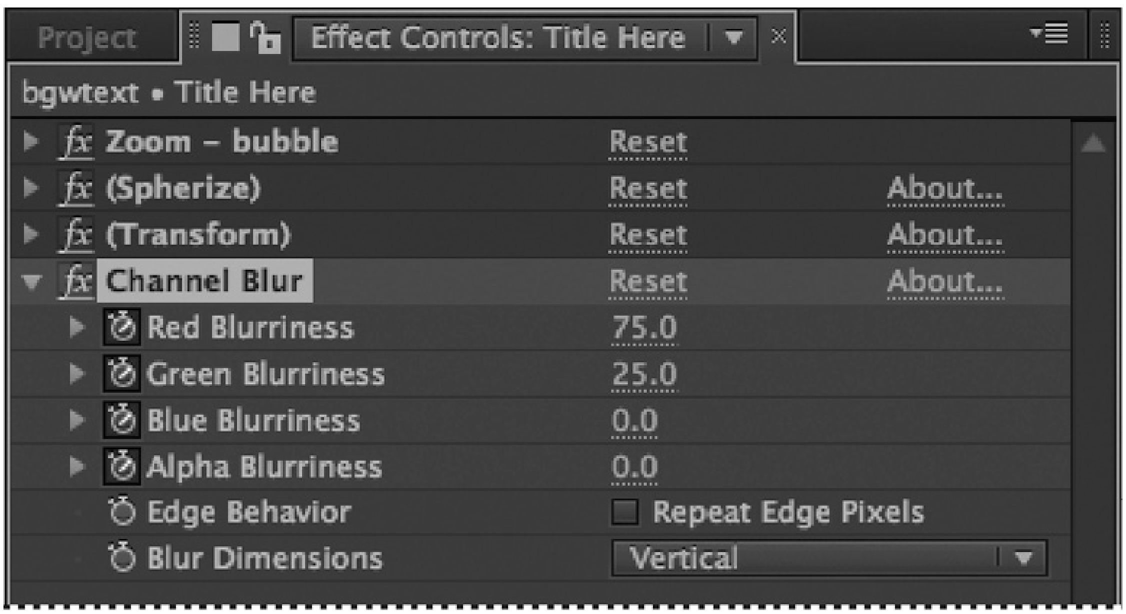


□1.47

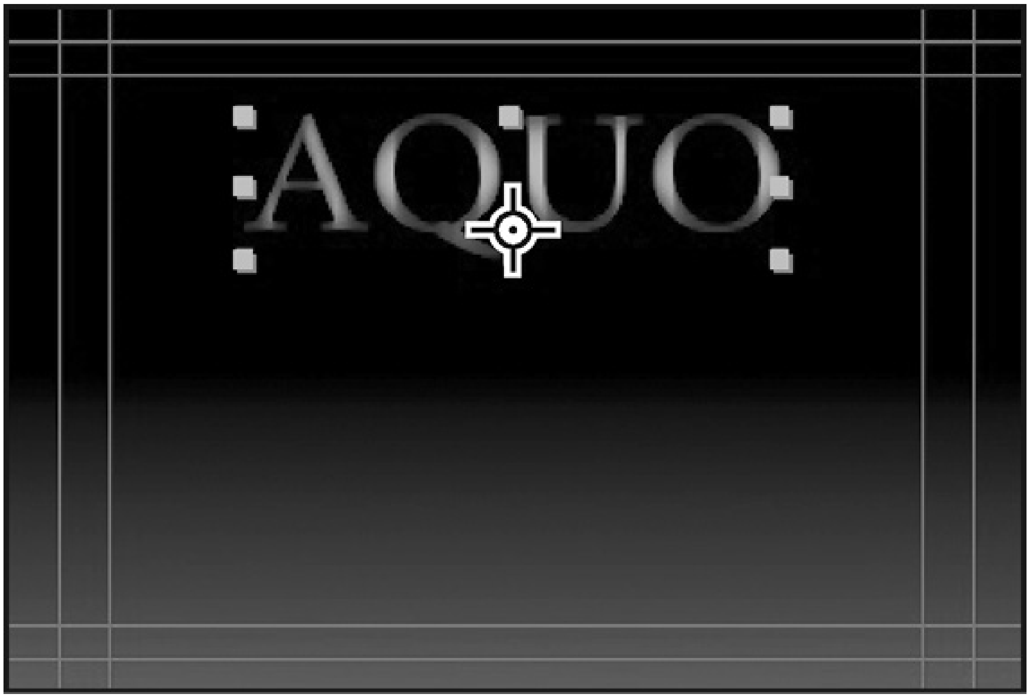
8. □□□□□□□1:00□□

9. □□□□□□□□□1.48□□1.49□□□

- Red□75%
- Green□25%
- Blue□0%
- Alpha□0%



□1.48



□1.49

□□

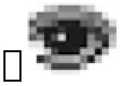
1.6 □□

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1.6.1 □□□□□

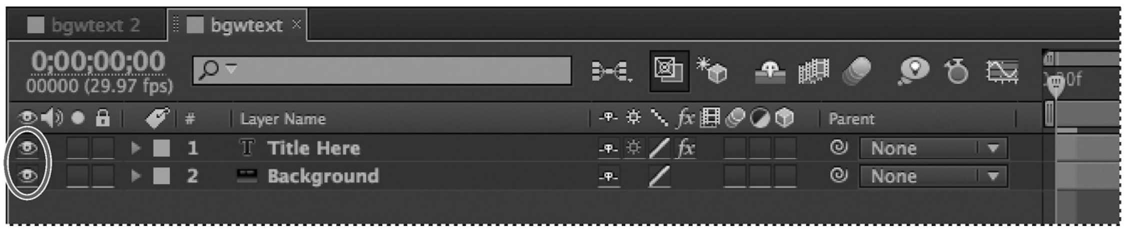
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1. □bgwtext Timeline□□□□□Title Here□□□□□□□□□□

2. □□□□□□□□□□□□Title Here□Background□□□□□□□□□□□□□——□□□□□TitleHere□Background□□□

> **□□:**
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3. □Home□□□□□□□□□□□□□□□□1.50□□□



□1.50

4. □□□□□□□□□□□□□□

- □□Preview□□□□Play/Pause□□□/□□□□□□□□□□1.51□□□

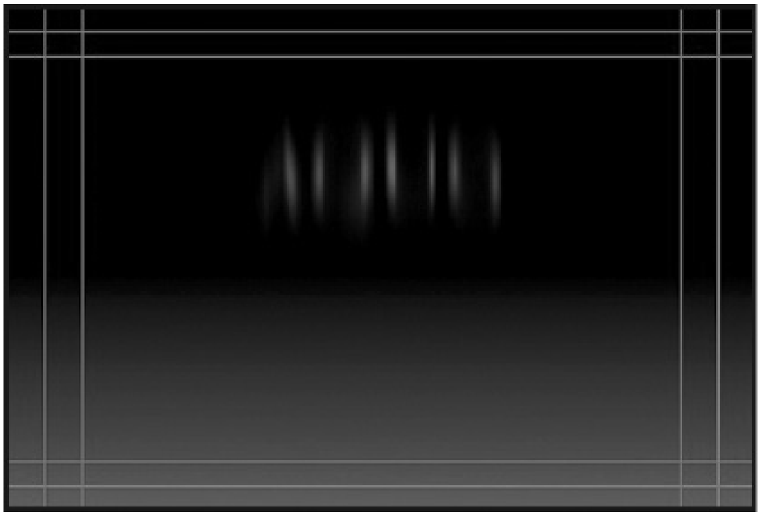


□1.51

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5. □□□□□□□□□□□□□□□□□□□1.52□□1.54□□□

- □□Preview□□□□Play/Pause□□□
- □□□□□



□1.52



□1.53



□1.54

1.6.2 □□RAM□□

RAM□□RAM□□□Timeline□□□□□□□□□□□□□□□□□□□□□RAM□□□□□□

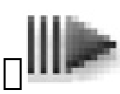
□Timeline□□□□RAM□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Layer□□□□Footage□□□□□□RAM□□□□□□□□□□□□□□□□□□□□□□□□

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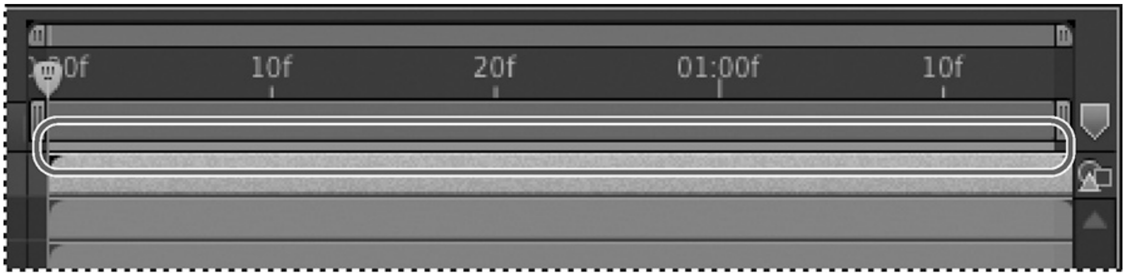
1. □□Timeline□□□bgwtext 2□□□□□□□□□□

2. □□□□□□□□□□□□□  □□□□□□F2□□□□□□□□

3. □□□□□□□□□□□□□□□□□□Home□□

4. □□Preview□□□RAM□□□□  □□□
Composition>Preview>RAM Preview□□

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□1.55

> **□□:**
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5. □□□□□□□RAM□□□

□RAM□□□RAM□□□

6. □□File>Save□□□□□□□

1.7 After Effects□□□□

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1.8 □□□□□□□□□

□□14□□

1.9 □□□□□

□□□After Effects□□□Window>Workspace>Reset“Standard”□□□□“□□”□□□□□□□□□□□□□□□□□□

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1.9.1 □□□□□□□

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1. □□□□□Lesson01_Finished.aep□□□□□□□□□□□□□□□□□□□□□□
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2. □□Window>Workspace>Animation□□□

After Effects□□□□□□□□□□□□□□□Info□□□□Audio□□□□□□□□□□
Preview□Smoother□□□□□Wiggler□□□□□Motion Sketch□□□□□□□
Effects & Presets□□□□□□□□□1.56□□□



□1.56

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3. □□□□□□□□□Workspace□□□□Search Help□□□□□Paint□□□□

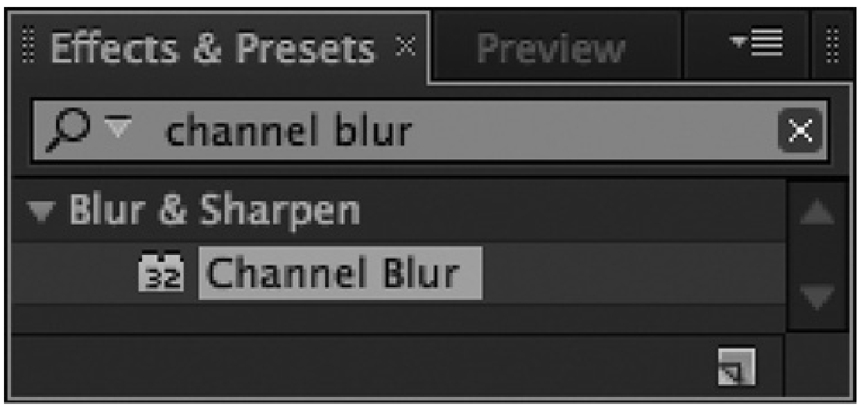
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1.9.2 □□□□□□□□

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Window>Workspace□□□□□□□□□□□□□□Workspace□□□□□□□□□□□□□□□□
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1. □□Paint□Brush□□□□□□□×□□□□□□□□□

2. □□Window>Effects & Presets□□□□□□□□□□□□□□□□□□□□□□
Preview□□□□□□□□□1.57□□□



□1.57

3. □□Window>Workspace>New Workspace□□□□□□□□□□□□OK□□□
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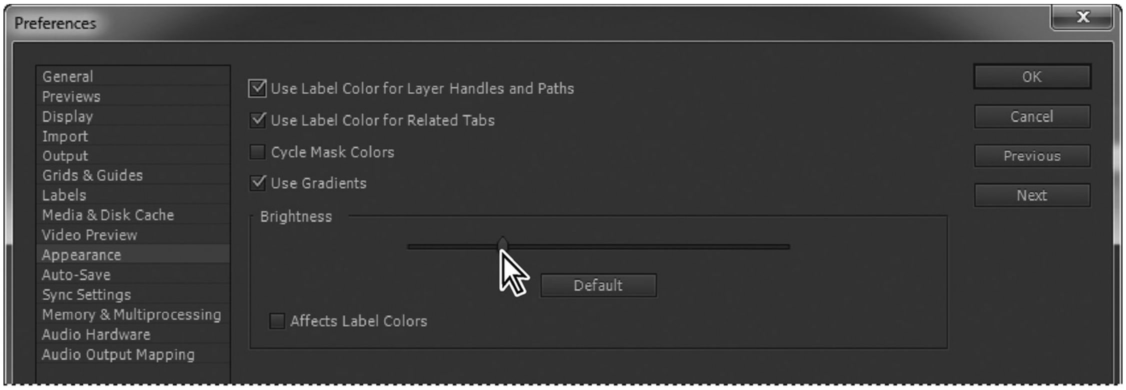
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1.10 □□□□□□□□

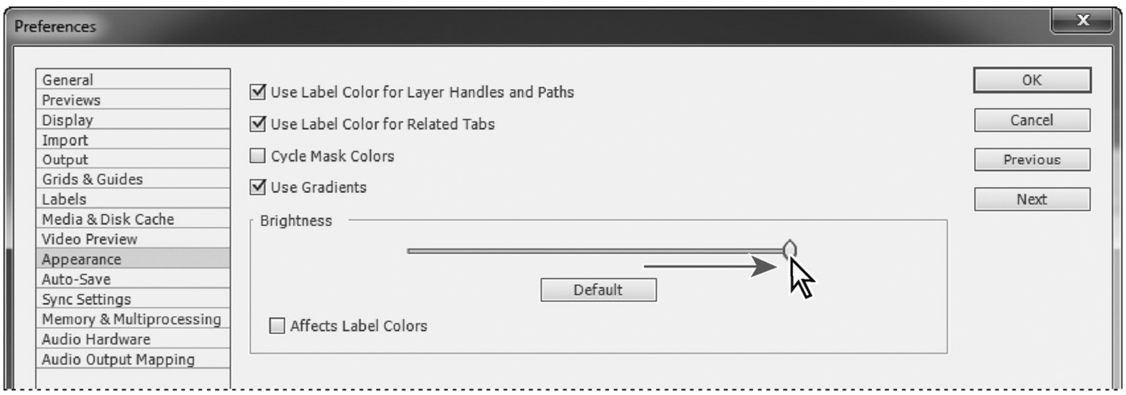
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1. □□Edit>Preferences□□□□> Appearance□□□□□Windows□□□□
After Effects> Preferences>Appearance□Mac OS□□□□

2. □□□□□□□Brightness□□□□□□□□□□□□□□□□□1.58□□1.59□□□



□1.58



□1.59

3. □□OK□□□□□□□□□□□□Cancel□□□□□□□□□□□□□Default□□□□□□□□□□

1.11 □□After Effects□□□□□

□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□Adobe□□□□□□□After Effects□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□Search Help□□□□□□□□□□□□□□□□□□□□Adobe□□□□□□□□□□□□

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1.12 □□□□□

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After Effects[illegible]

2.1 [illegible]

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3. □□After Effects□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□OK□□□

4. □□Close□□□□Welcome□□□□□□□

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5. □□File>Save As>Save As□□□

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2.2 □Adobe Bridge□□□□

□1□□□□□File>Import>File□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□Adobe Bridge□□□□□□Adobe Bridge□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Adobe Bridge□□□□□□□□Adobe□□□□PSD□PDF□□□□□Adobe□□

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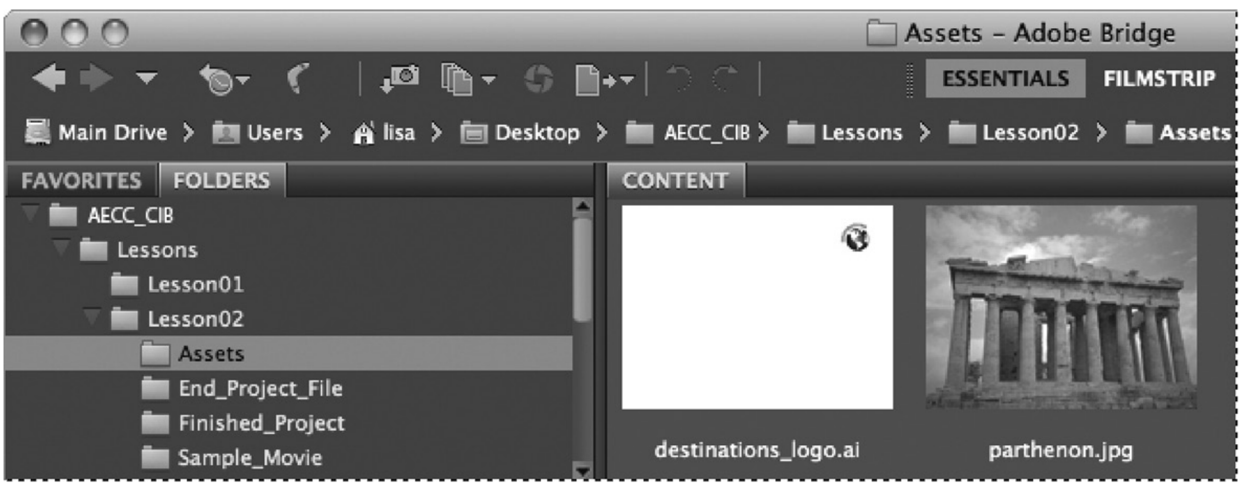
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2. □□Adobe Bridge□□□□Folders□□□□□□□□□□

3. □Folders□□□□□□□AECC_CIB\Lessons\Lesson02\Assets□□□□□□□□□□□□□□□□□□□□□□□□□□Content□□□□□□□□□□□□□□□□□□□2.1□□□



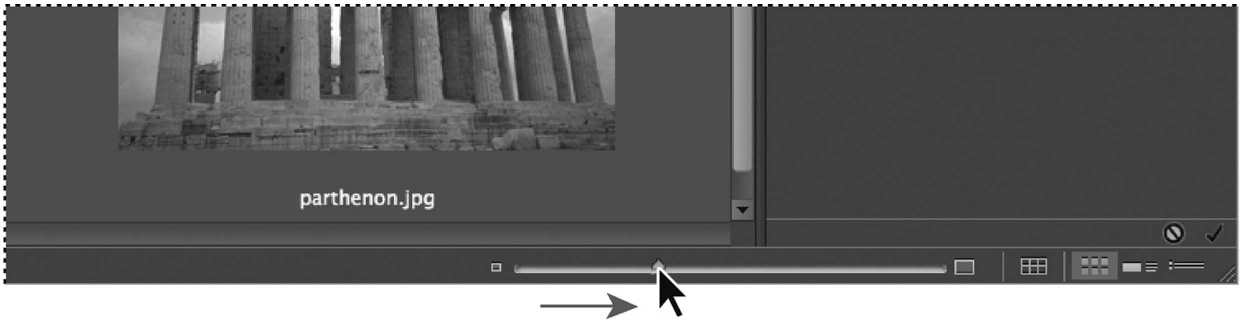
□2.1

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Content□□□□□□□□□□□□□□□□□Folders□□□□Assets□□□□□Content□□□□□□□□□□□□□□□□□□□□□□Adobe Bridge□□□□□□□□□□□□□□□□PSD□TIFF□JPEG□□□□□□□□Illustrator□□□□□□□Adobe PDF□□□QuickTime□□□□□□

4. □□Adobe Bridge□□□□□□□□□□□□□□□□□□□□□□□□□□□2.2□□□

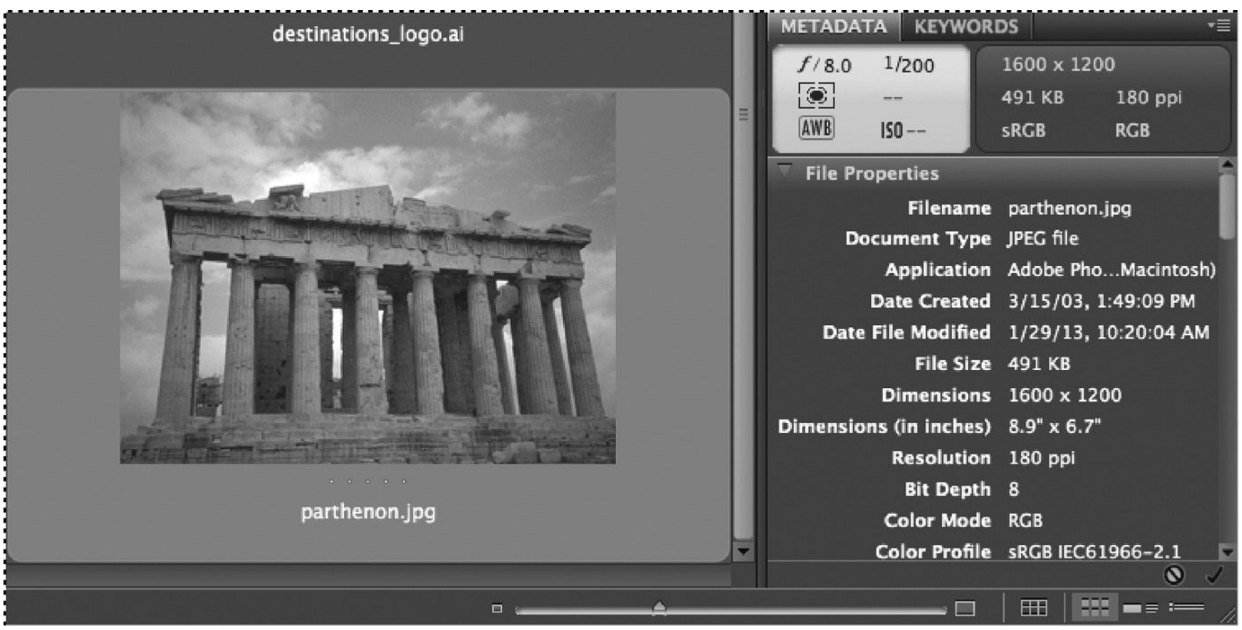


□2.2

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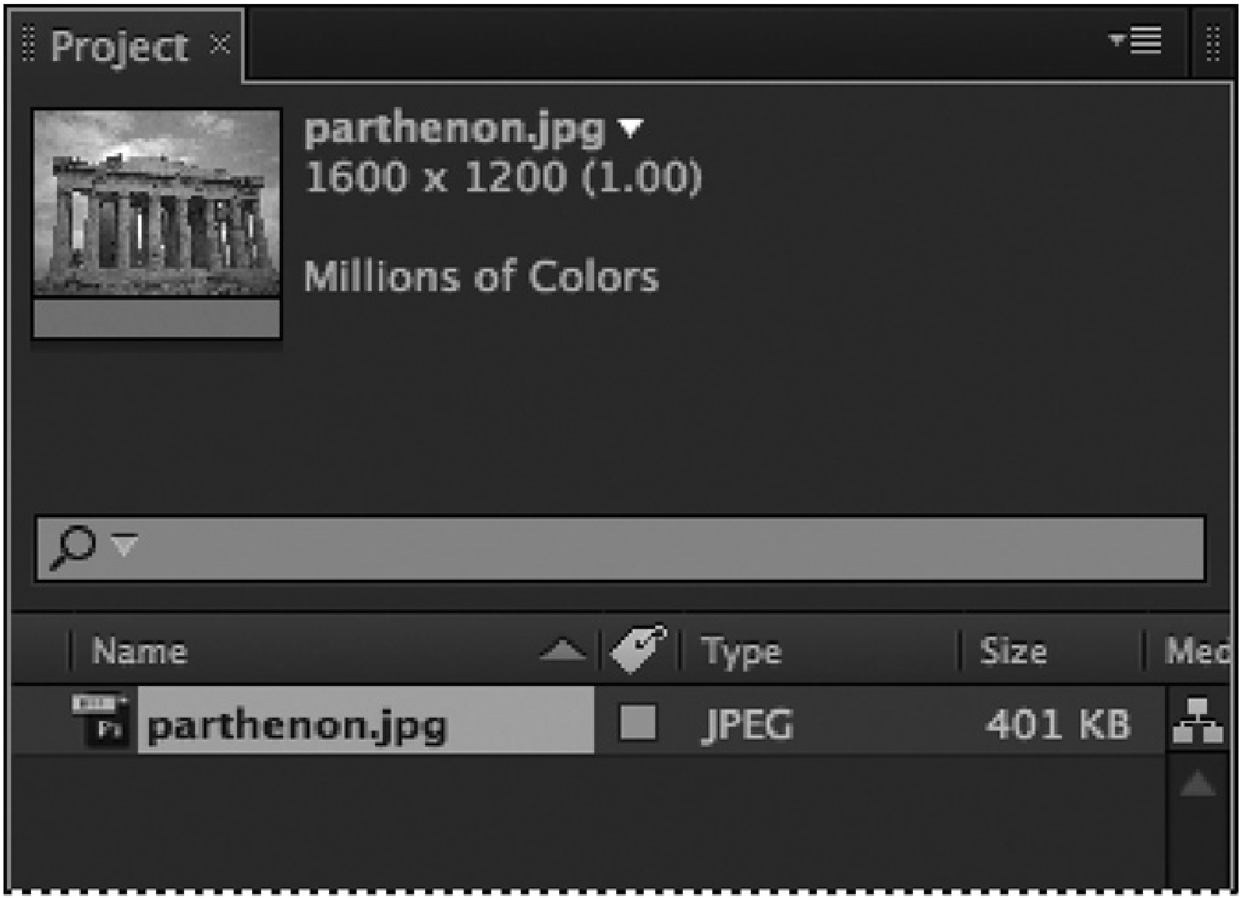
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5. □□Content□□□parthenon.jpg□□□□□□□□□□□□Preview□□□□□□□□□□□□□□□□□□□□□□□□□□□□Metadata□□□□□□2.3□□□



□2.3

6. □□Content□□parthenon.jpg□□□□□□□□□□□After Effects□□□□□□□□□□□After Effects□Project□□□□2.4□□□



□2.4

□□□□After Effects□□□□Adobe Bridge□□□□□□After Effects□□□□□□□Adobe Bridge□□□□□□□□□□□

2.3 □□□□□□□

□□□1□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1□□□Project□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

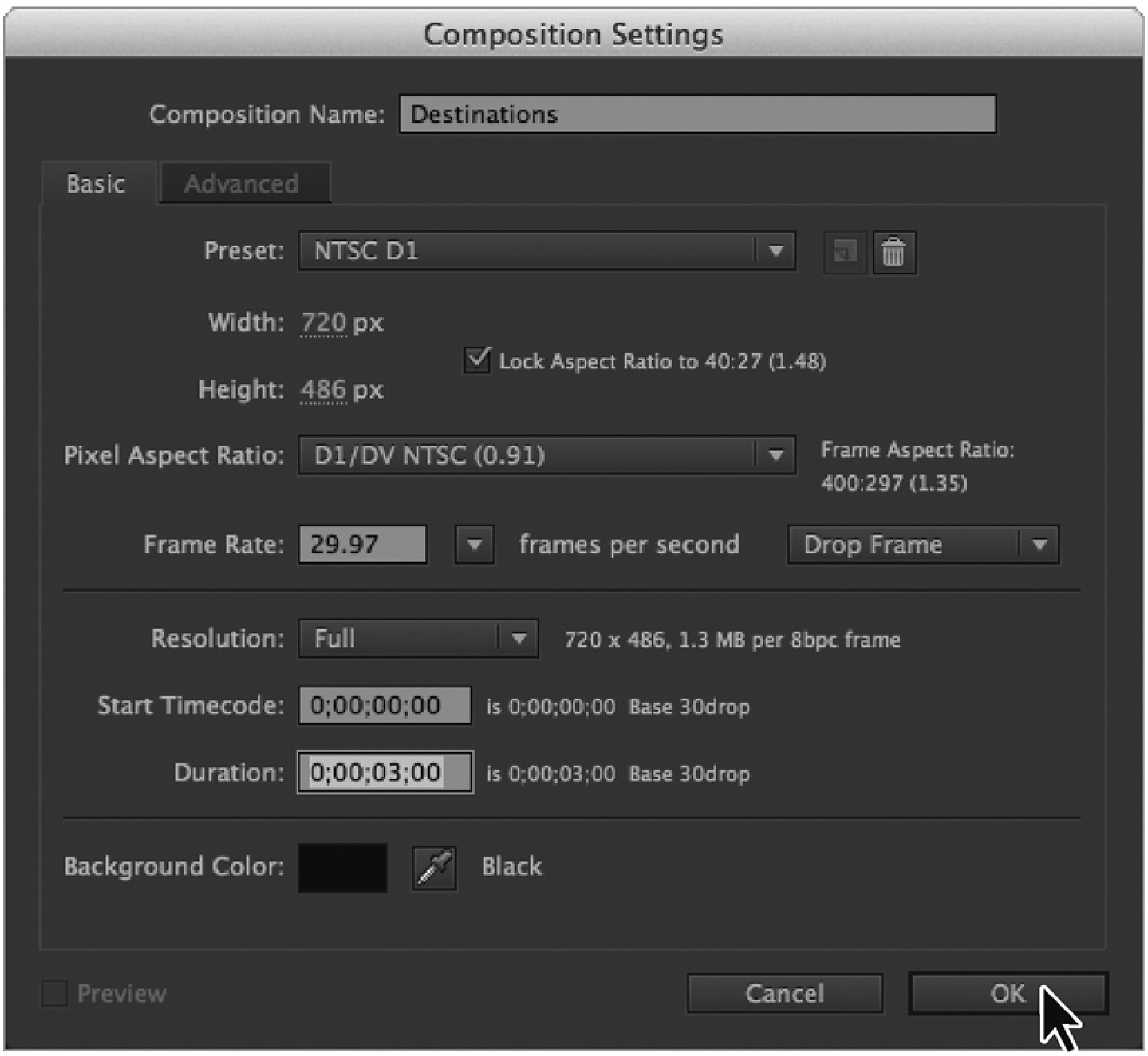
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- □□Project□□□□□Create A New Composition□□□□□□□□□□□□□□□□□
- □□Composition>New Composition□□□

- □Ctrl+N□Windows□□Command+N□Mac OS□□□□□

2. □Composition Settings□□□□□□□□□□□□□□□□□□

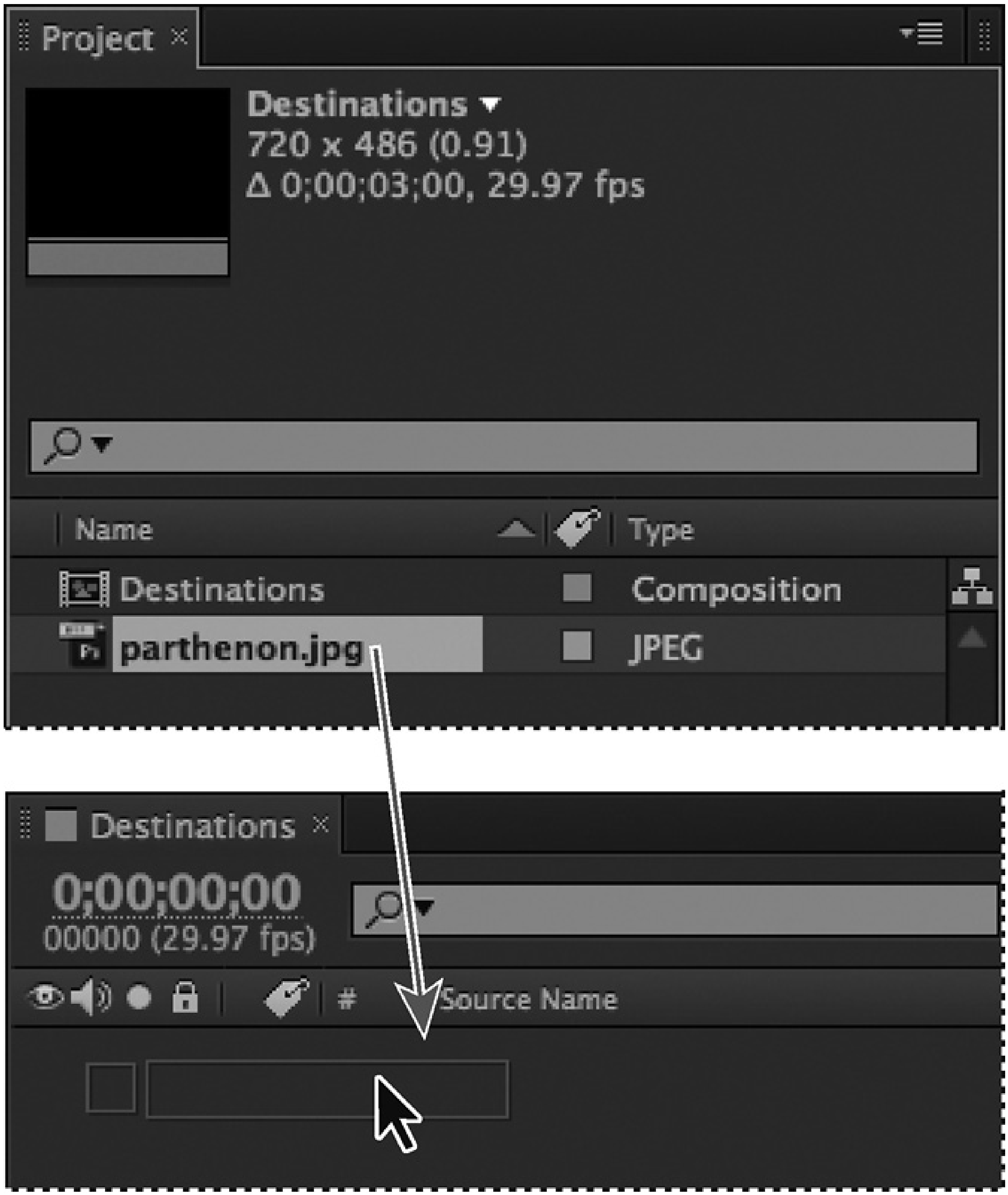
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- □Preset□□□□□□□□□□□NTSC D1□NTSC D1□□NTSC□□□
- □Duration□□□□□□□□□300□□□□□□□3□□
- □□OK□□□□□2.5□□□



□2.5

After Effects□Composition□□□Timeline□□□□□□□□□
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3. □parthenon.jpg□□□□Project□□□□□Timeline□□□□□□□□
Destinations□□□□□□□□2.6□□□



□2.6

4. Timeline□□□□parthenon□□□□□□□□□□□□Layer>Transform>Fit To Comp□□□□□□□□□□□□□□□□□□□□□□□□□2.7□□2.8□□□



□2.7



□2.8

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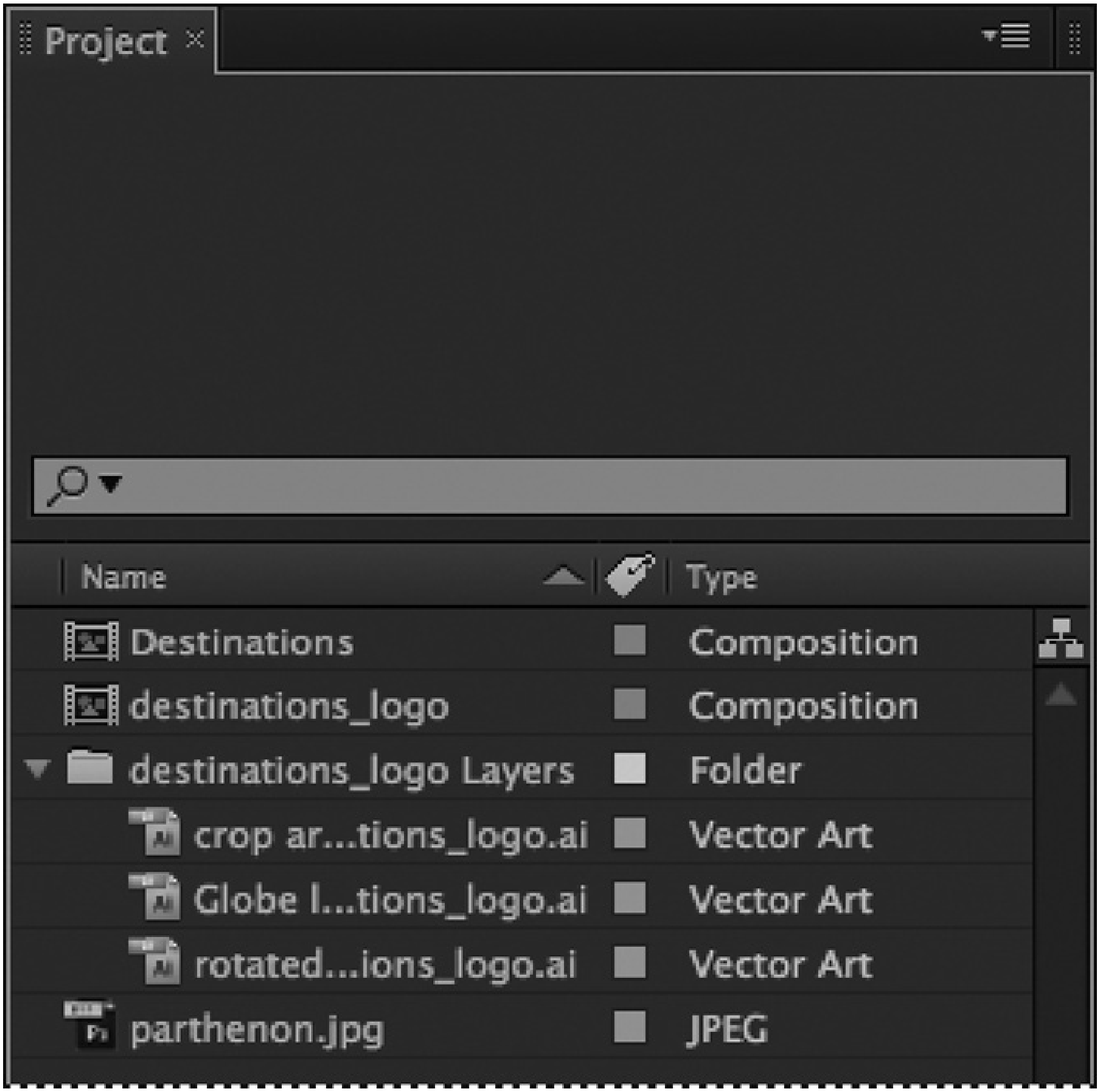
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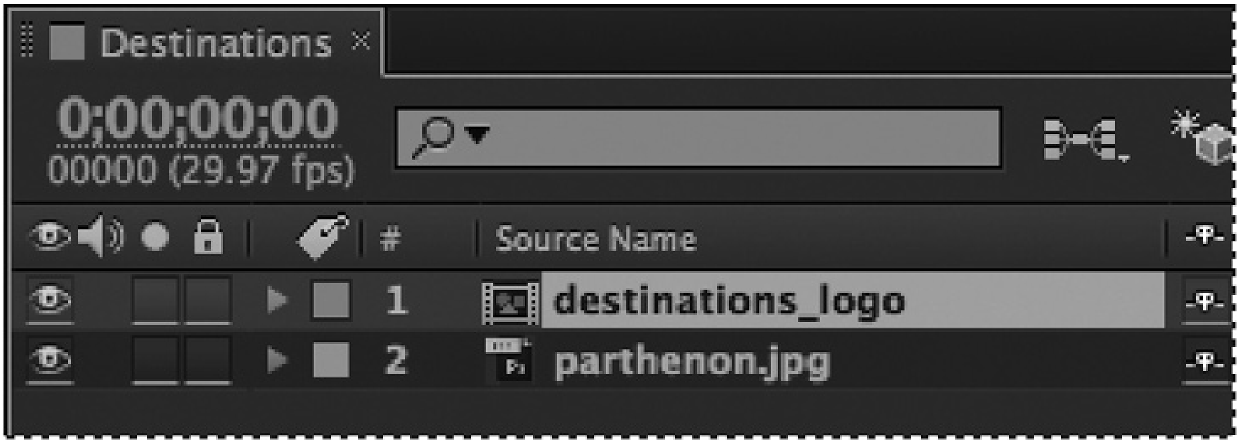
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□2.9

4. □destinations_logo□□□□□□Project□□□□Timeline□□□□parthenon□□□□□□2.10□□2.11□□□



□2.10



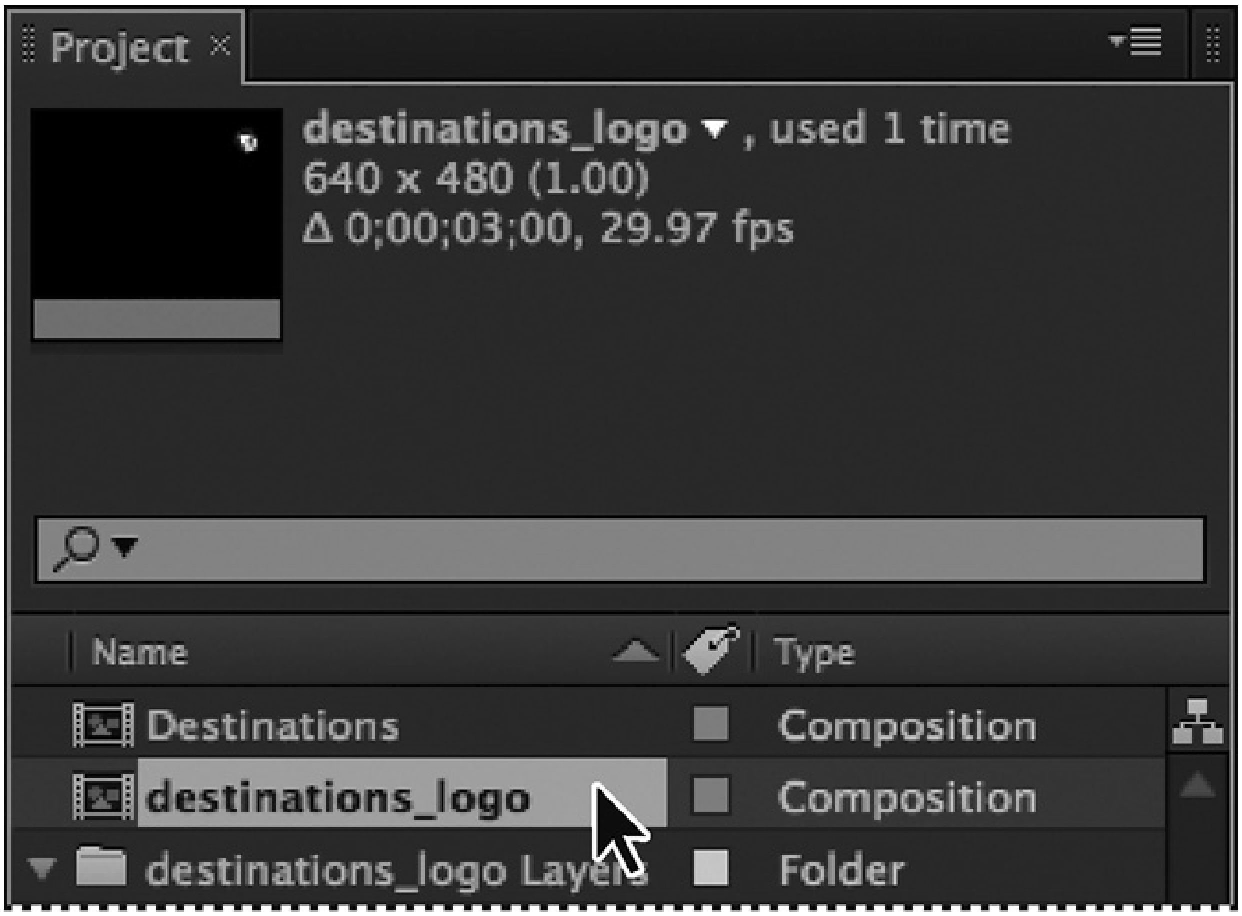
□2.11

□□□Composition□□□Timeline□□□□□□□□□□□□□□□□□□

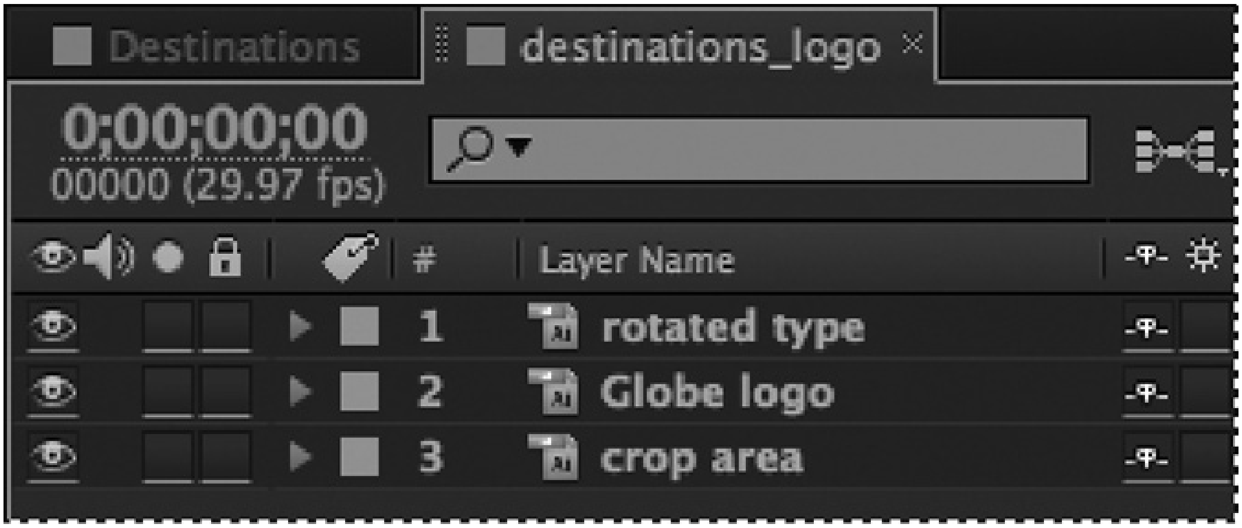
2.4 □□□□□Illustrator□□

destinations_logo□□□□Illustrator□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Illustrator□□□□□□destinations_logo□□□□□□□Timeline□□□Composition□□□□□□□

1. □□Project□□□□destinations_logo□□□□□□□□□□□□□Timeline□□□Composition□□□□□□□□□□□□□2.12□□2.13□□□



□2.12



□2.13

2. □Tools□□□□Horizontal Type□□□T□□□□Composition□□□□□□□□

3. □□□□TRAVEL EUROPE□□□□□□□□□□□□□□2.14□□2.15□□□



□2.14



□2.15

4. □Character□□□□□sans serif□□□□Myriad Pro□□□Font Size□□□□□□□□24□□□□Character□□□□□□□□□□□□□□□□□“Destinations”□□□□□□□□After Effects□□□□□□□□□□□□Character□□□□□□□□□□□□□□□□

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□□Character□□□□□□□□□Window > Character□□□

5. □Paragraph□□□□□Right Align Text□□□□□□□□□ □□Paragraph□□□□□□□□□□□□□□□2.16□□2.18□□□3□□□□□□□□□□□□□□□□


DESTINATIONS
TRAVEL EUROPE

图2.16

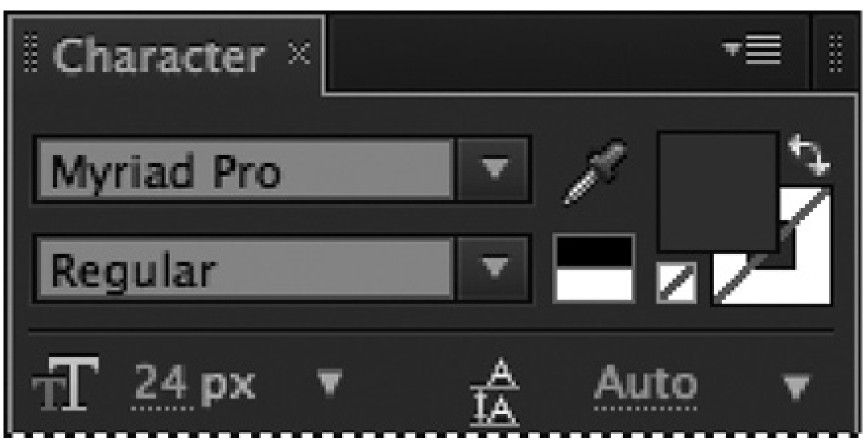
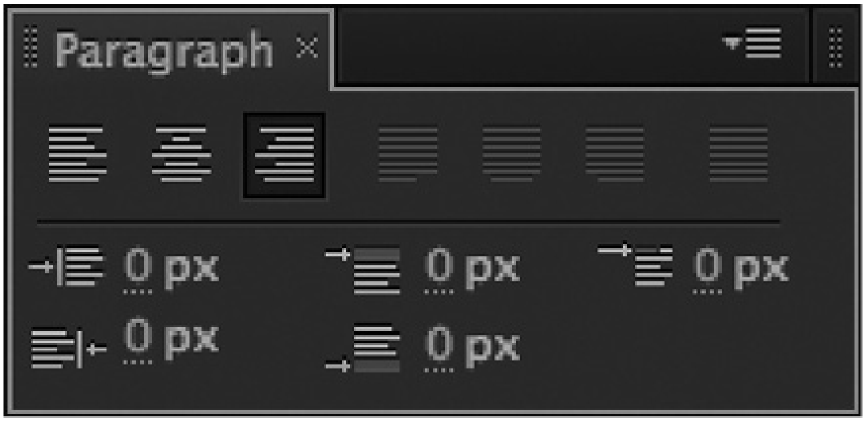

Character
Myriad Pro
Regular
24 px
Auto

图2.17

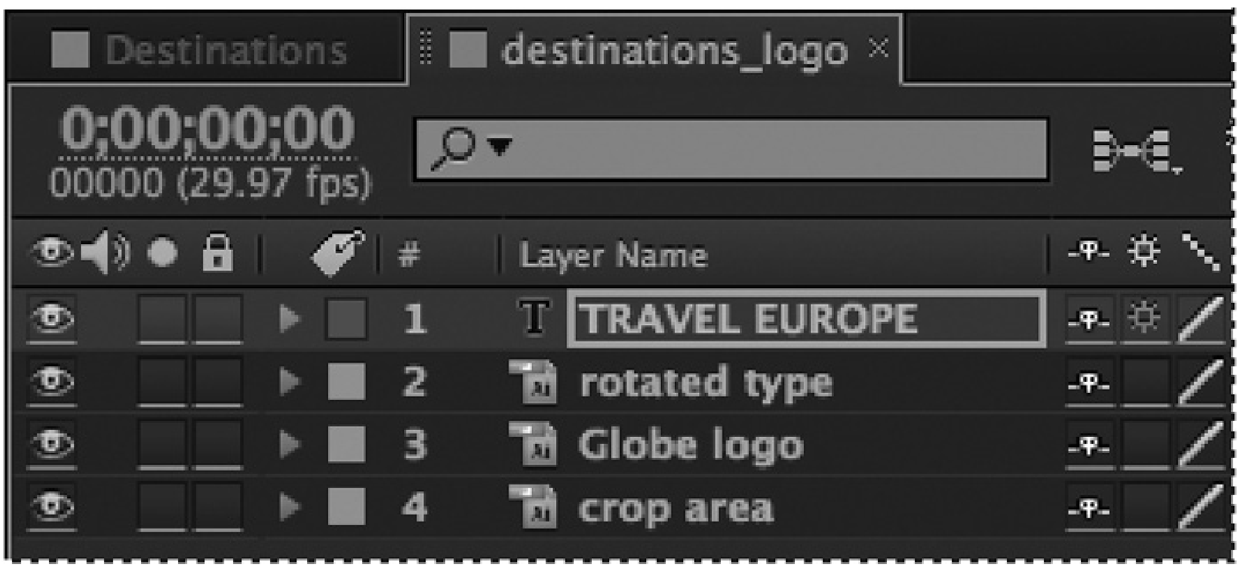


□2.18

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□□Paragraph□□□□□□□□□Window > Paragraph□□□

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□2.19



[illegible]2.20

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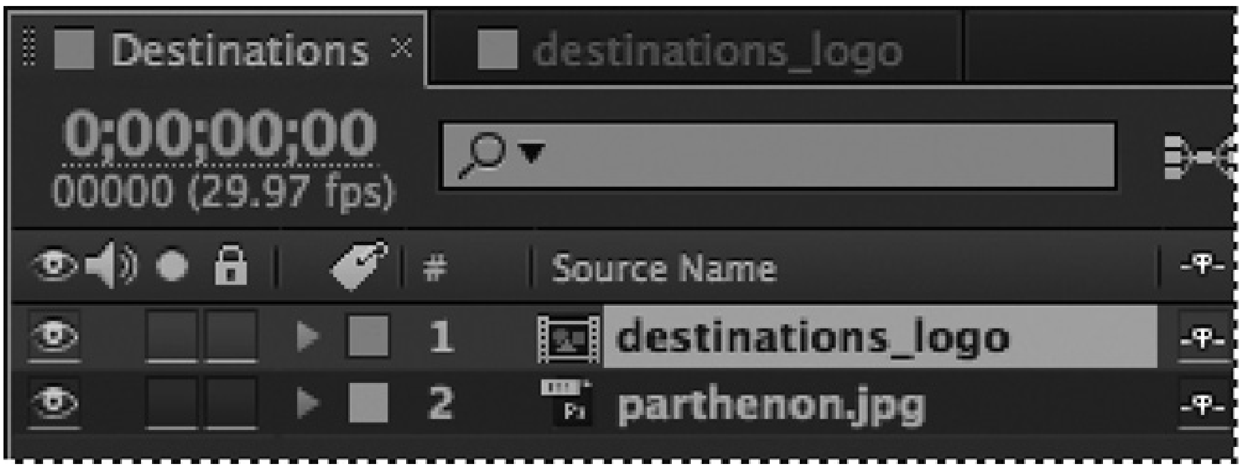
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2.5 □□□□□□□

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□2.21

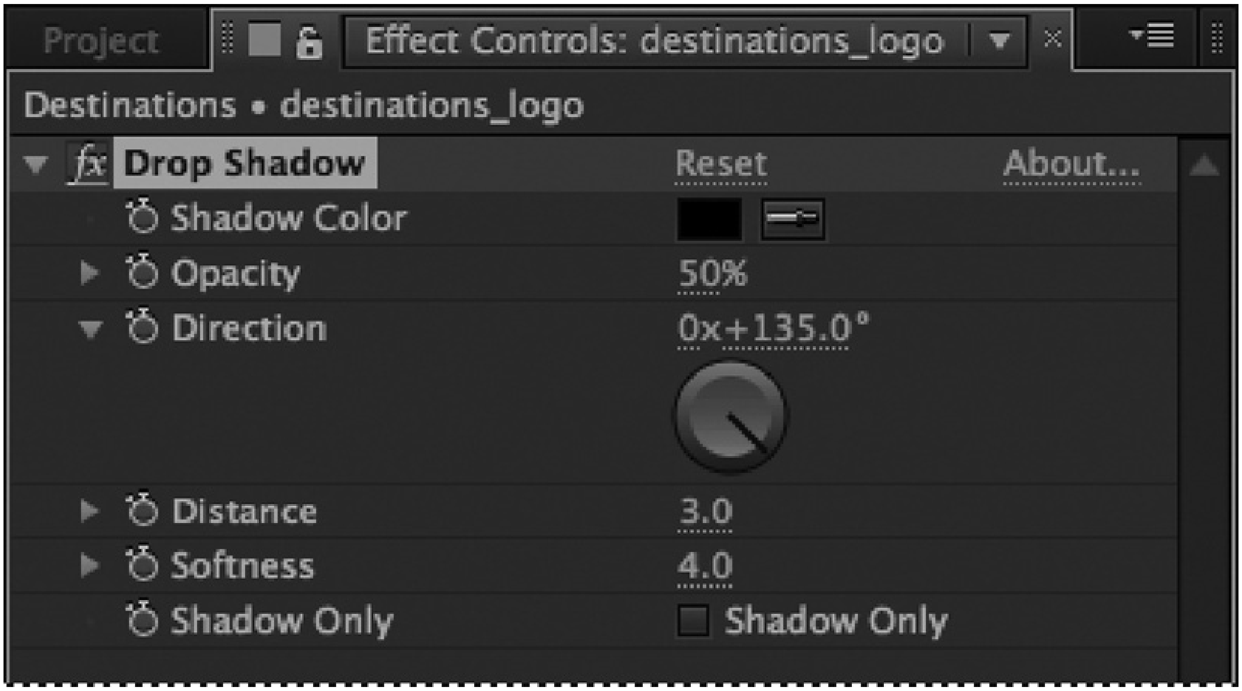


□2.22

2. □□Effect>Perspective>Drop Shadow□□□

Composition□□□destinations_logo□□□□□——□□□□□□□□□□□travel Europe□□□——□□□□□□□□□□□□□□□□Effects Controls□□□□□□□□□□□□Project□□□□□□□□□□□□□□□□□□

3. □Effect Controls□□□□□□□□Distance□□□□□□3□Softness□□□□□□□□4□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□2.23□□2.24□□□



□2.23



□2.24

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4. □□Effects & Presets□□□□□□□□□□□□□□□□□□Stylize□□□□□□□
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5. □□Timeline□□□□destinations_logo□□□□Color Emboss□□
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Color Emboss□□□□□□□□□□□□□□□□□□□□□□□□Effect Controls□
□□Color Emboss□□□□□□□□□Drop Shadow□□□□□□□□2.25□□2.26
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图2.25

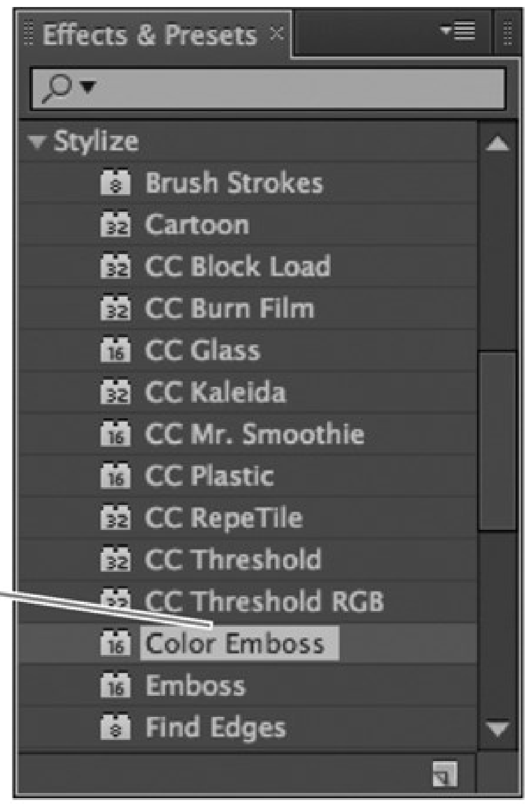


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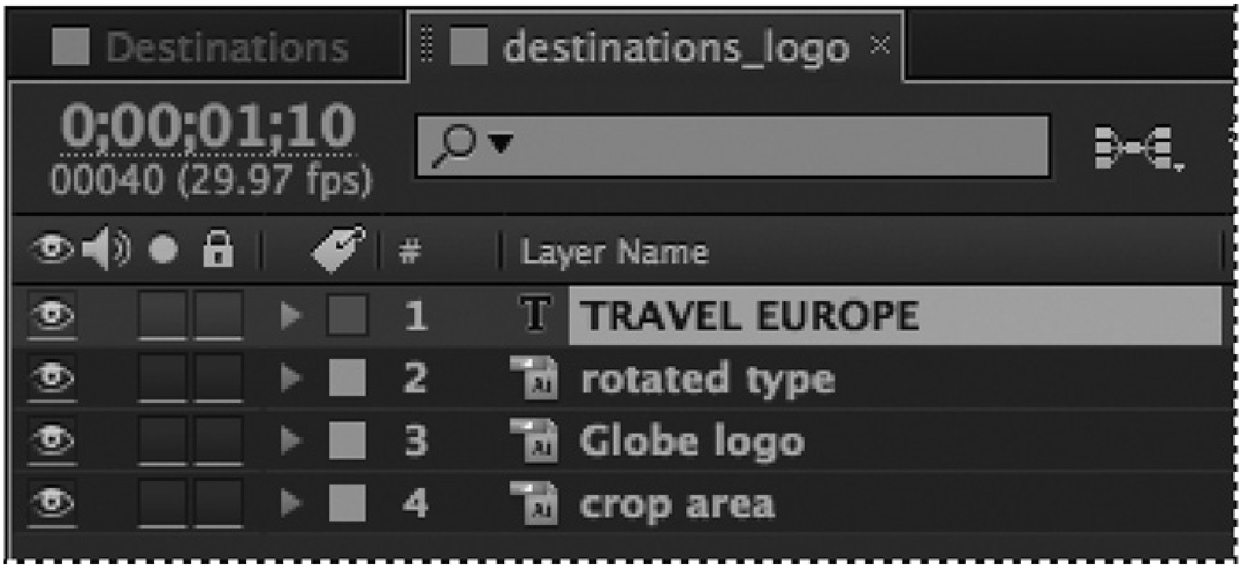
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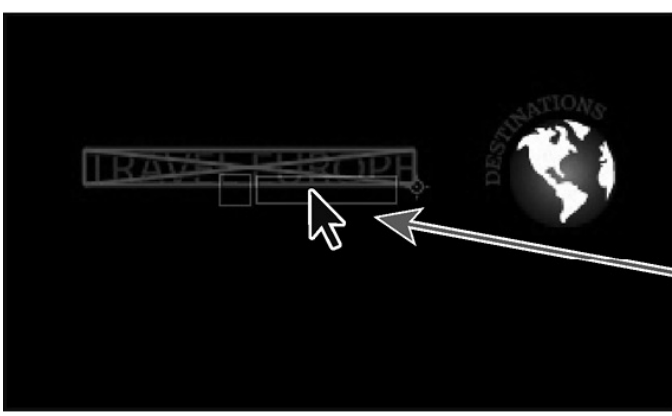
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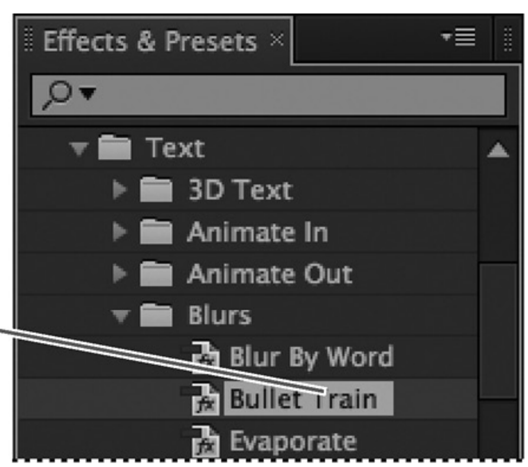


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3. □Effects & Presets□□□□□□Animation Presets>Text>Blurs□□□□□□□

4. □Bullet Train□□□□□□□□□□□□□□Timeline□□□TRAVEL EUROPE□□□□Composition□□□□*travel Europe* □□□□□□□□□□Composition□□□□□□□□□□□□□□□□□□□□□□□1□□□□□□□□□□□□2.28□□2.29□□□





□2.28 □2.29

5. □□Timeline□□□□□□□□□□□□□□TRAVEL EUROPE□□□□□□□□□□□□□□□2:00□□□□□□□□□□□□□□□□□□□□□□□□□□2:00□travel Europe□□□□□□□□□□□□□2.30□□2.32□□□



□2.30



□2.31



□2.32

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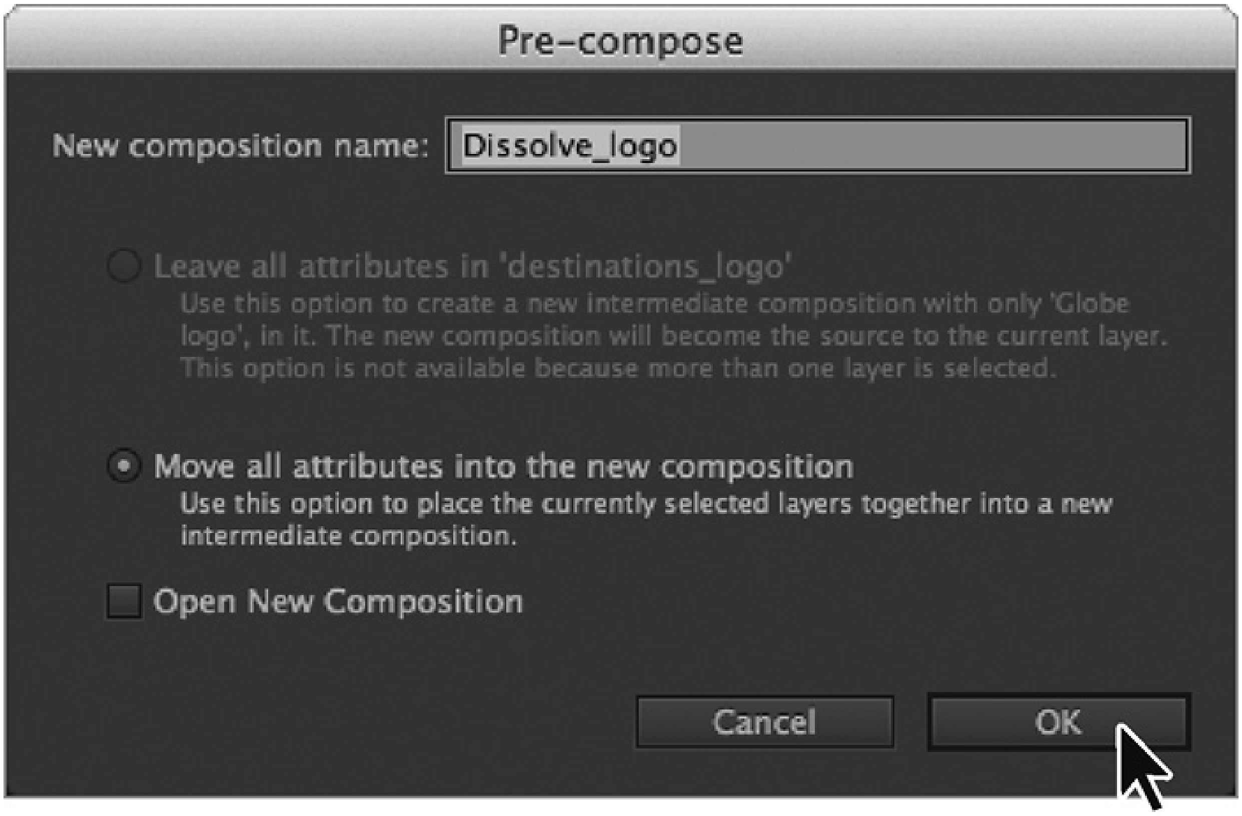
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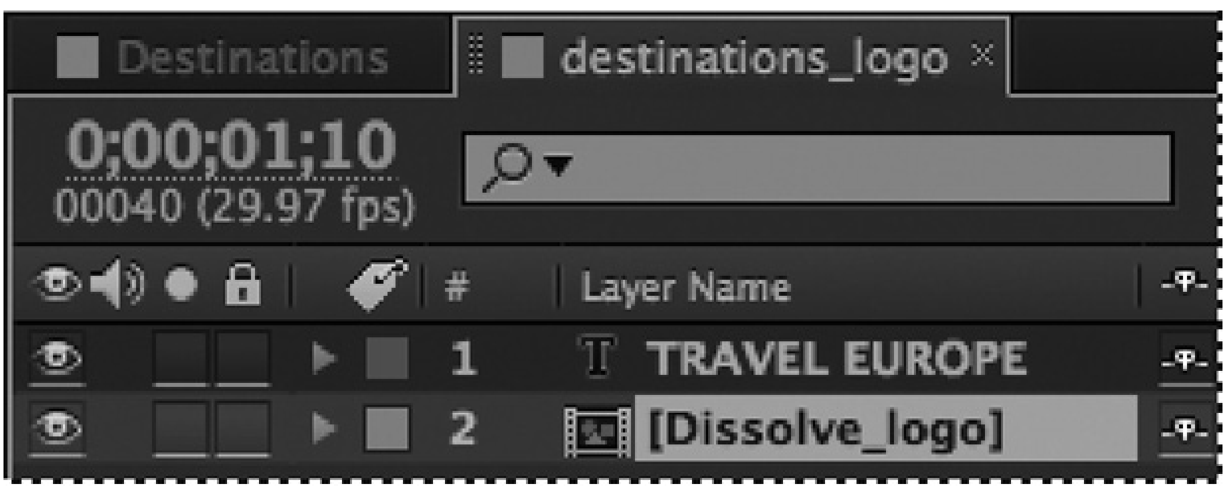
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2. □□Layer>Pre-Compose□□□□□□□

3. □Pre-Compose□□□□□□□□□□□□□□Dissolve_logo□□□□□□□□□Move All Attributes Into The New Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□OK□□□□□2.33□□2.34□□□



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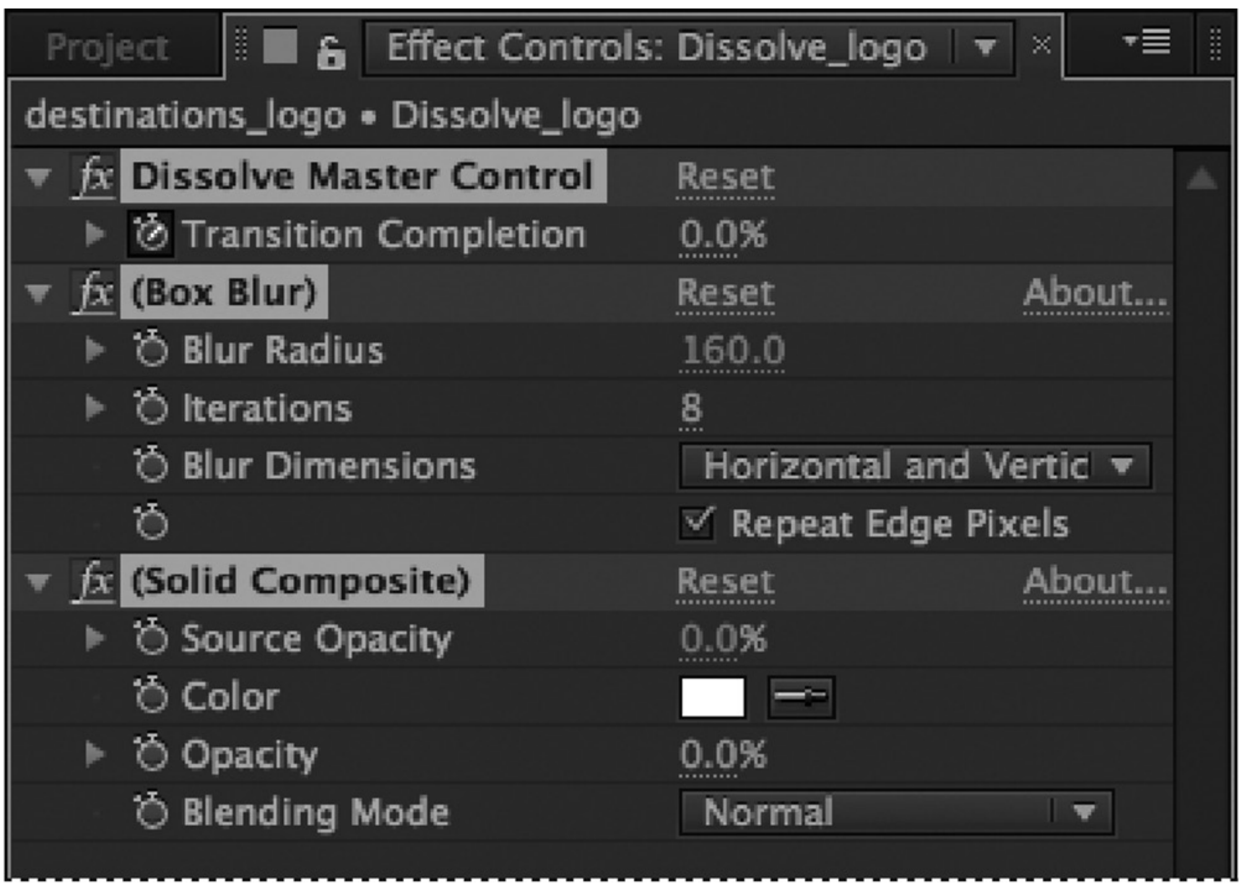
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Dissolve-Vapor□□□□□□3□□□□master dissolve□□□□□□box blur□□□□□□□solid composite□□□□□□□□□□□□□□□□□□□Effect Controls□□□□□□□□□□□□□□□□□□□□□□□□2.35□□□



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6. □□File>Save□□□□□□□□□□□

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2. □□Destinations Timeline□□□□□□□□Video□□□ □□□□□□

3. □□Preview□□□□Play□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□2.36□□2.38□□□



□2.36



□2.37



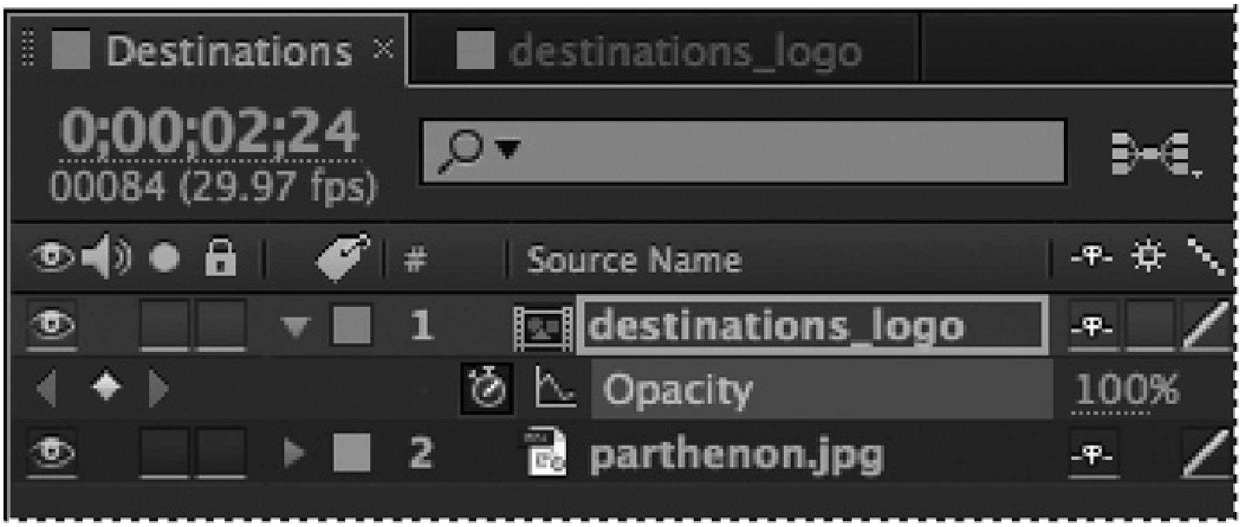
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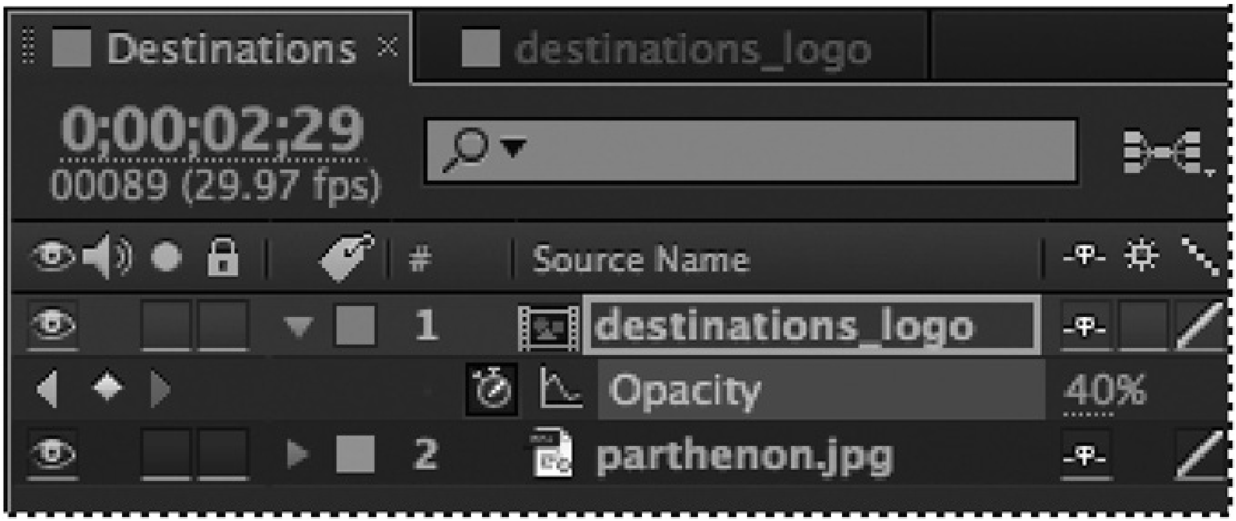


□2.39



□2.40

3. □End□□□□□□□□□□□□□□□□□□□□□2:29□□□□□□□□□40%□After Effects□□□□□□□□□□□□□2.41□□2.42□□□



□2.41



□2.42

□□□□□□□□□□□□□□□*travel Europe* □□□□□□□□□□□□□□□40%□

4. □□□Preview□□□□Play□□□□□□□□□□□□□□□□□□0□□□□□□□□□
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5. □□File>Save□□□□□□□

2.9 [illegible]

[illegible]

[illegible]

After Effects[illegible]

> **[illegible]**
>
> [illegible]14[illegible]

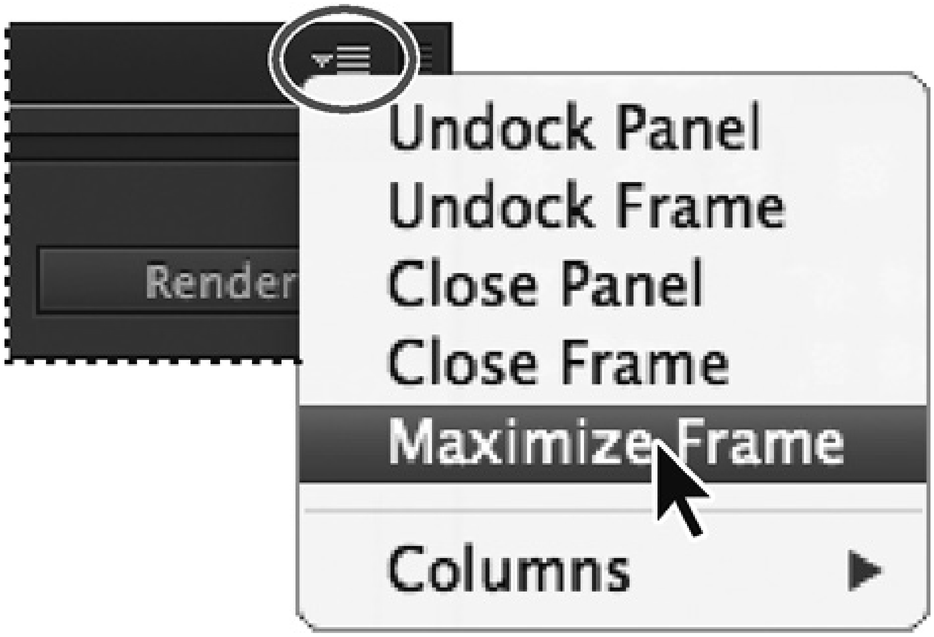
[illegible]

> **[illegible]**
>
> [illegible]After Effects[illegible]Adobe Media Encoder[illegible]14[illegible]Adobe Media Encoder[illegible]

1. [illegible]

- [illegible]Project[illegible]Destinations[illegible]Composition>Add to Render Queue[illegible]Render Queue[illegible]
- [illegible]Window>Render Queue[illegible]Render Queue[illegible]Destinations[illegible]Project[illegible]Render Queue[illegible]

2. [illegible]Render Queue[illegible]Maximize Frame[illegible]2.43[illegible]



[illegible]2.43

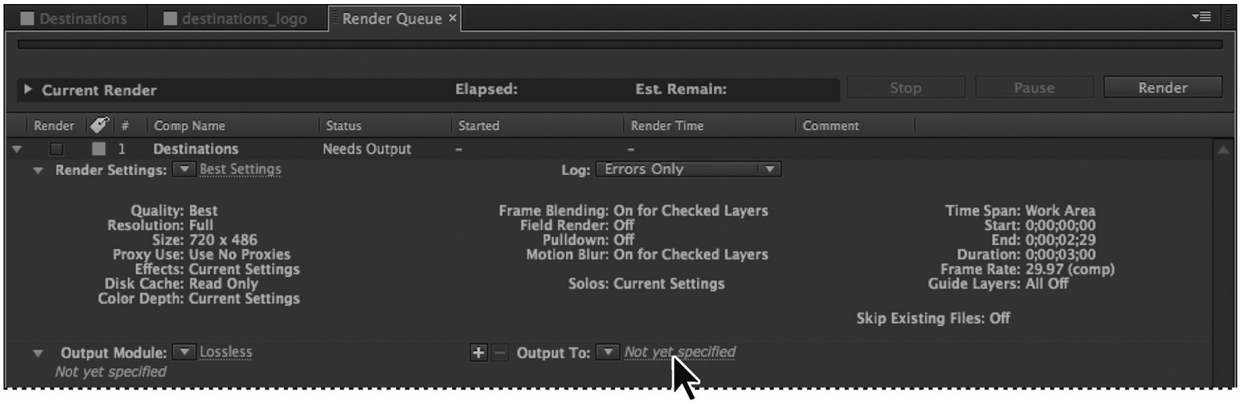
[illegible]

Maximize Frame[illegible]`[illegible]

3. [illegible]Render Settings[illegible]After Effects[illegible]Best Quality[illegible]Full Resolution[illegible]

4. [illegible]Output Module[illegible]After Effects[illegible]

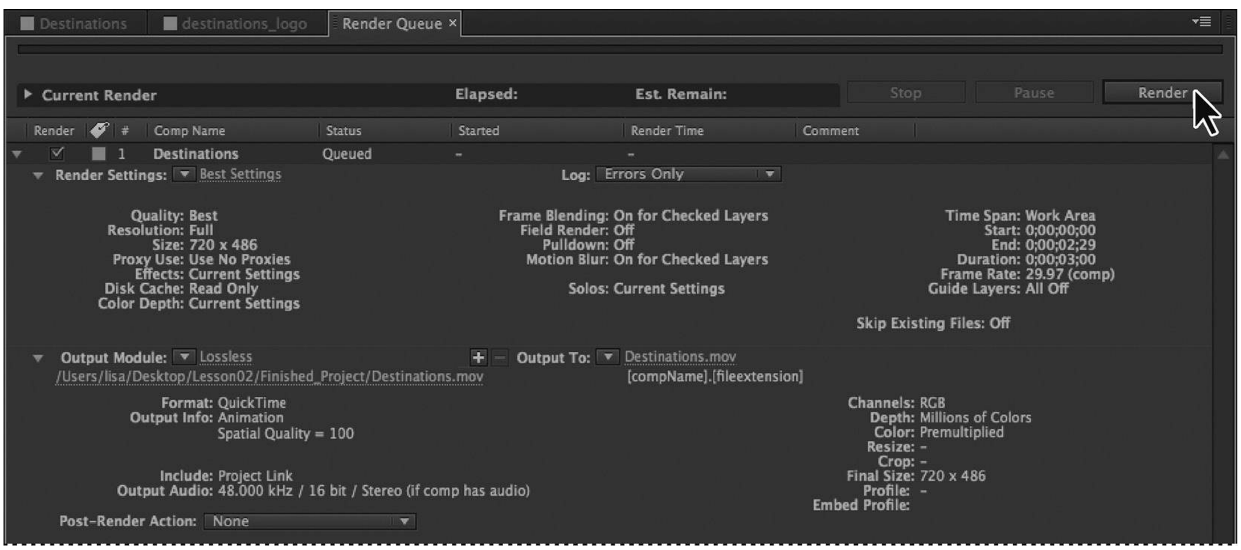
5. [illegible]Output To[illegible]Not Yet Specified[illegible]2.44[illegible]



□2.44

6. □□□□Output Movie To□□□□□□□□□□□□□Destinations□□□□AECC_CIB\Lessons\Lesson02\Finished_Project□□□□□□□□□□□□□□□□□Save□□□

7. □□□□Render Queue□□□□□Render□□□□□2.45□□□



□2.45

□□□□□□□After Effects□Render Queue□□□□□□□□□□□Render Queue□□□□□□□□□□□□After Effects□□□□□□□

8. □□□□□□□□□□Render Queue□□□□□□□□Restore Frame Size□□□□□□□□□□□□□□□□□□□□

9. □□□□□□□□□□□□□AECC_CIB/Lessons/Lesson02/Finished_Project□□□□□Destinations.avi□Destinations.mov□□□□□Windows Media Player□QuickTime□□□□□□□□□□

10. □□□□□□□□□□□After Effects□

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2.10 □□□□□

2.10.1 □□□

1. □□□Adobe Bridge□□□□□□□□

2. □□□□□□□

3. □□□□□□□

4. □□□□□□□□□□□□□□□□

2.10.2 □□□□□

1. □□File>Browse In Bridge□□□□After Effects□□□Adobe Bridge□□□Bridge□□□□□□□□□□□□□Adobe Bridge□□□□□□□□□□□□□□□□□□After Effect□□□□□□□□□□□□□□□□□□□Project□□□

2. *Precomposing* □□□

3. □□□□□□□□□□□□□□□□□□Effect Controls□□□□□□□□□□□□□□□□□□Effect Controls□□□□□□□□□□□□□□□□□□□□□Window>Effect Controls□□□□□□□□

4. □□□□□□□□□□□□□□□□Opacity□□□□□Timeline□□□□□□□□□□T□□□□Opacity□□□□□□□□□□□100%□□□□

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> [illegible]After Effects[illegible]
> [illegible]

3.1 [illegible]

Adobe After Effects[illegible]Timeline[illegible]“*Road Trip* ”[illegible]

[illegible]After Effects[illegible]

1. [illegible]AECC_CIB\Lessons\Lesson03[illegible]

- Assets□□□□background_movie.mov□car.ai□compass.swf□credits.psd□
- Sample_Movie□□□□Lesson03.mov□

2. □□□□□Lesson03.mov□□□□□□□□□□□□□□□□□□□□□□□QuickTime□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□“□□□□□□”□

3. □□After Effects□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□□OK□□□

4. □□Close□□□□Welcome□□□

After Effects□□□□□□□□□□□□□□□□

5. □□File>Save As>Save As□□□□□□AECC_CIB\Lessons\Lesson03\Finished_Project□□□□

6. □□□□□□□Lesson03_Finished.aep□□□□□Save□□□

3.1.1 □□□□

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1. □□Project□□□□□□□□□□□Import File□□□□

2. □□□□□□□AECC_CIB\Lessons\Lesson03\Assets□□□□□Ctrl□□□□Windows□□□□Command□□□□Mac OS□□□□compass.swf□background_movie.mov□□□□□□Import□Open□□□

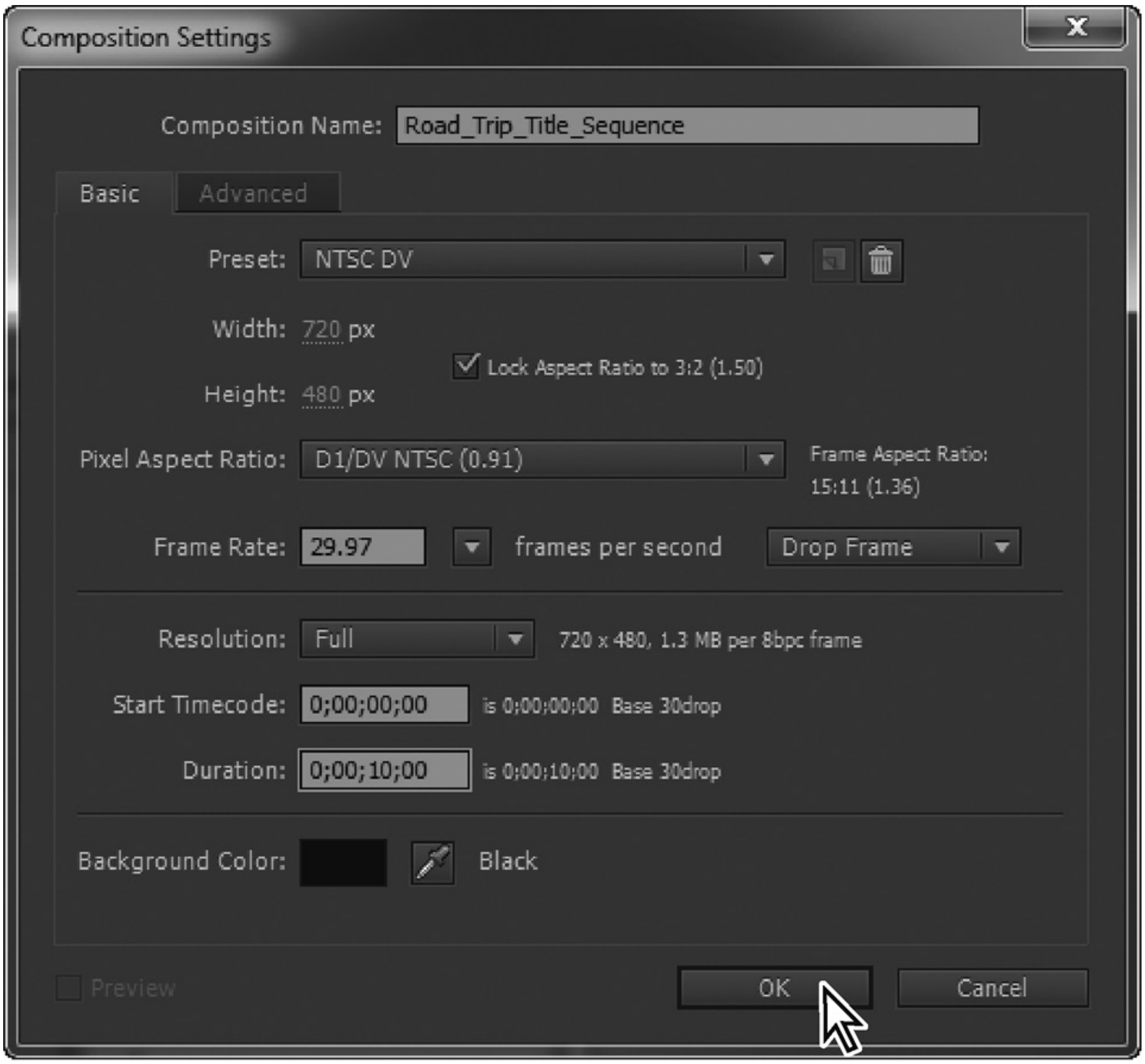
After Effects□□□□□□Adobe Photoshop□Adobe Illustrator□□QuickTime□AVI□□□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□

3.1.2 □□□□□□

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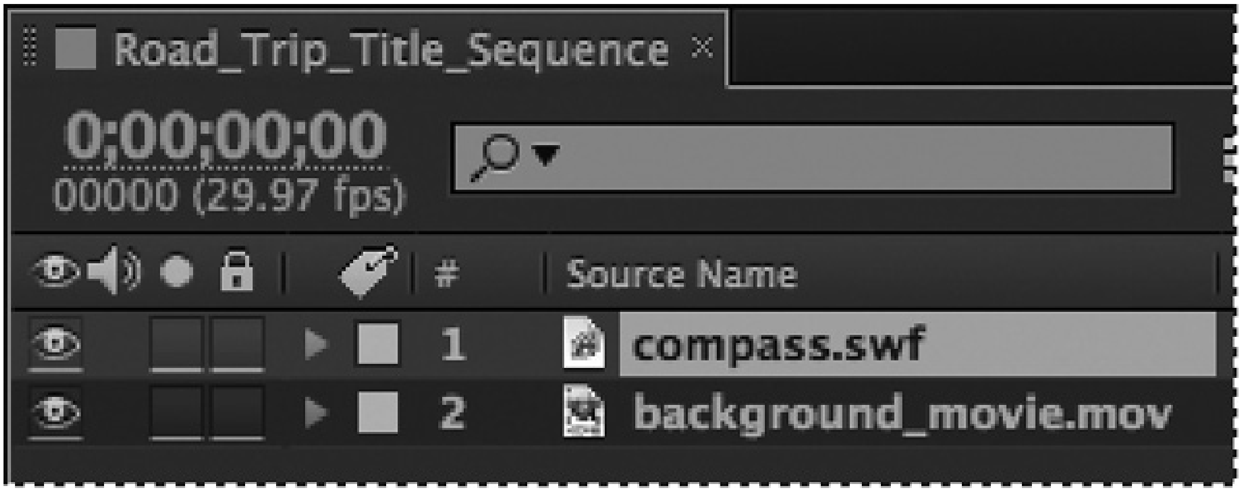
1. □Ctrl+N□Windows□□Command+N□Mac OS□□□□□□□□□□□

2. □Composition Settings□□□□□□□□□□□□□□Road_Trip_Title_Sequence□Preset□□□□□NTSC DV□□□Duration□□□□□□□□10:00□□□□□□□□□□□□□□□□□□□□□OK□□□□□3.1□□□

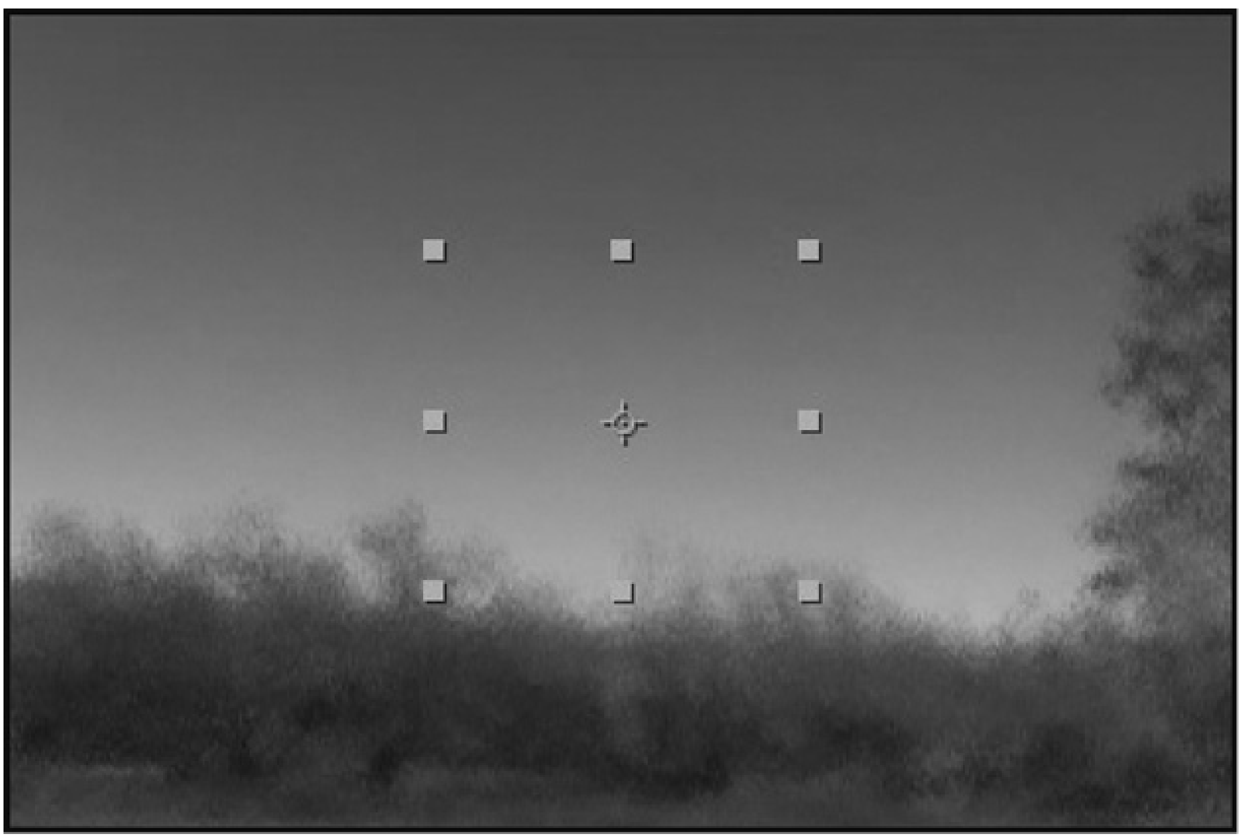


□3.1

3. □Project□□□□background_movie.mov□compass.swf□□□□□□Timeline□□□□□□□□□compass.swf□□□□□□□background_movie.mov□□□□□□□□3.2□□3.3□□□



□3.2



□3.3

4. □□File > Save□□□

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3.2 □□□□

□After Effects□□□□□□□□□□□□□□□Composition□□□Tools□Character□□Paragraph□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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3.3 □□□□□□□□□□

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1. □Tools□□□□□Horizontal Type□□□□□□□□□T□□

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2. □Composition□□□□□□□□□□□□Road Trip□□□□□□□□□Enter□□□□□□□□□□□□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□

3.3.1 □□Character□□□□□□

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□□□□□□□□□□□□□Source Text□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□Character□□□□□□□□□□□□□□□□
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□□□□□□□□□Horizontal Type□□□□□Tools□□□□Toggle The Character And
Paragraph Panels□□□□□□□□□□□□

1. □□Window>Workspace>Text□□□□□□□□□□□□□□

2. □□Timeline□□□Road Trip□□□□

3. □Character□□□□Font Family□□□□□□Myriad Pro□□□□□
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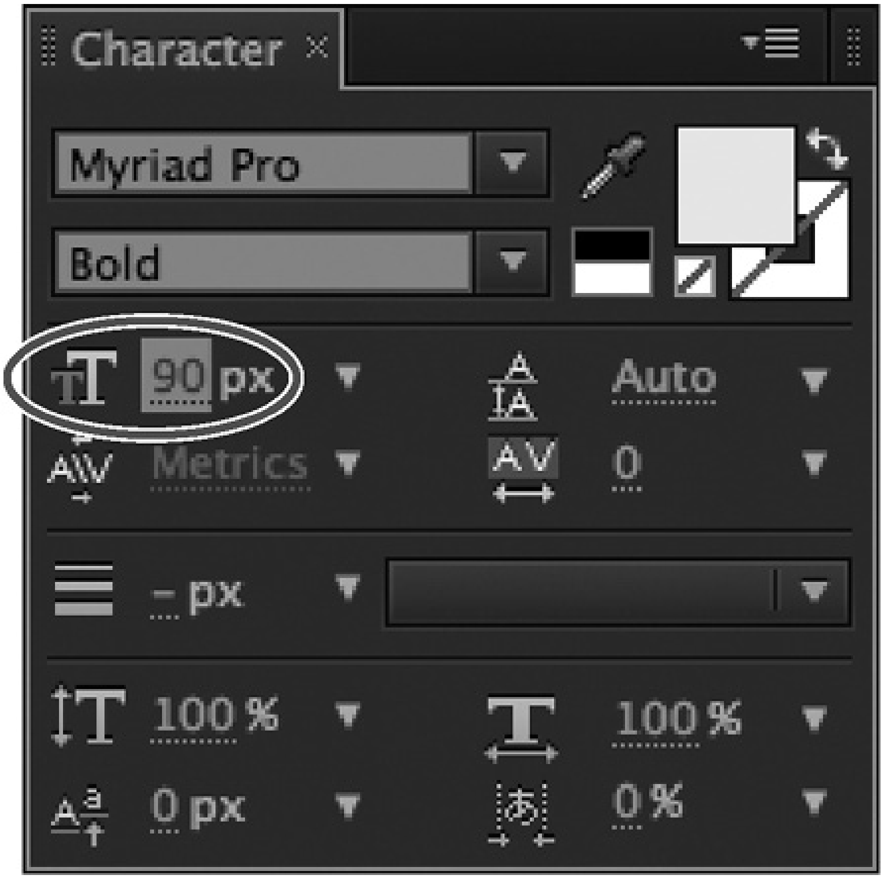
4. □Font Style□□□□□□□□□□Bold□□□□□□Bold□□□□□□□□
□□□□Faux Bold□□□□□□□T□□

5. □Font Size□□□□□□□90□□

6. □□□□□□□□□□□3.4□□3.5□□



图3.4

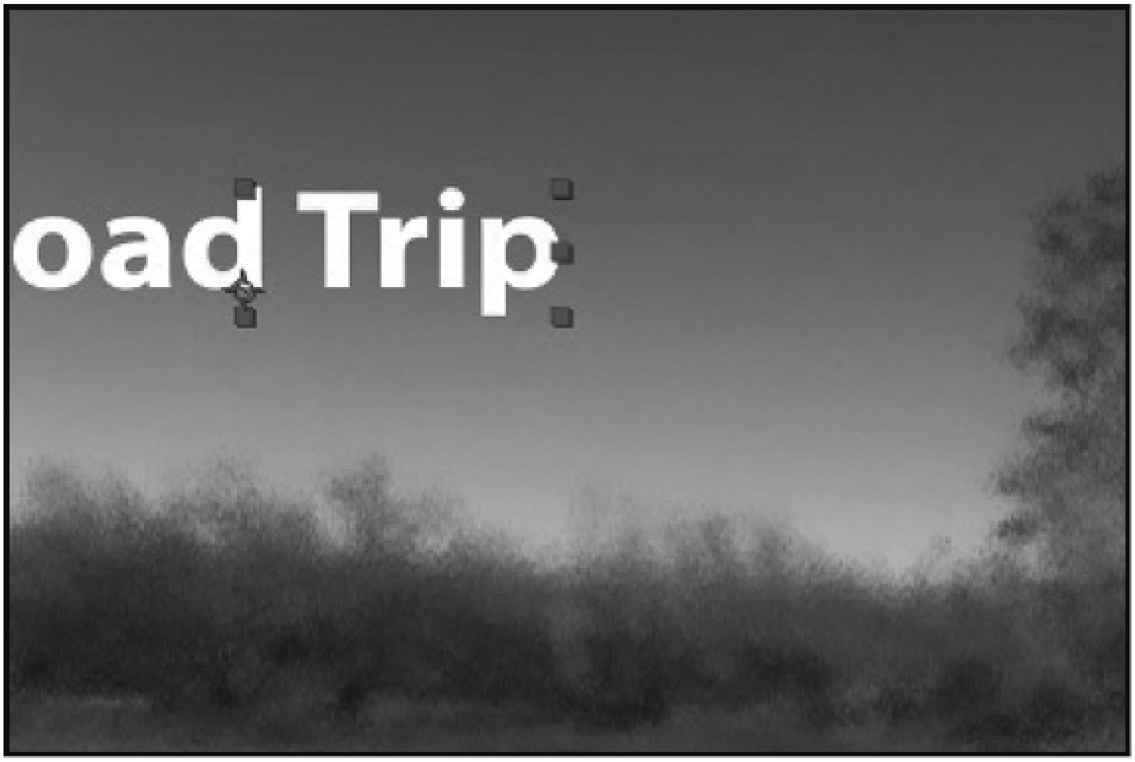


□3.5

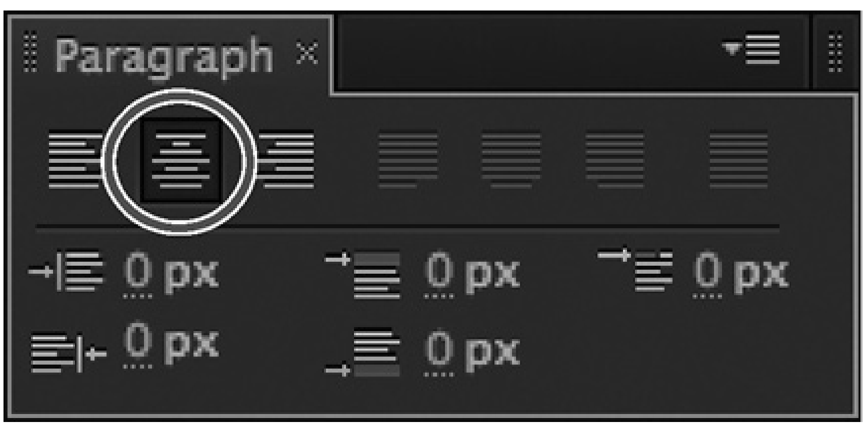
3.3.2 □□Paragraph□□

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1. □Paragraph□□□□□Center Text□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□3.6□□3.7□□□



□3.6



□3.7

2. □□□□□□□□□□□□

3.3.3 □□□□

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1. □□□Timeline□□□□Road Trip□□□□□□□□

2. □□Layer>Transform>Fit To Comp Width□□□□□□□□□□□□
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□3.8

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3. □□View>Show Grid□□□□□□□□□□□□View> Snap to Grid
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4. □□Selection□□□  □□□Composition□□□□□□□□□□□□□□□□□
Composition□□□□□□□□□□□□□□□□□□□□□Shift□□□□□□□□□□□□□□□□
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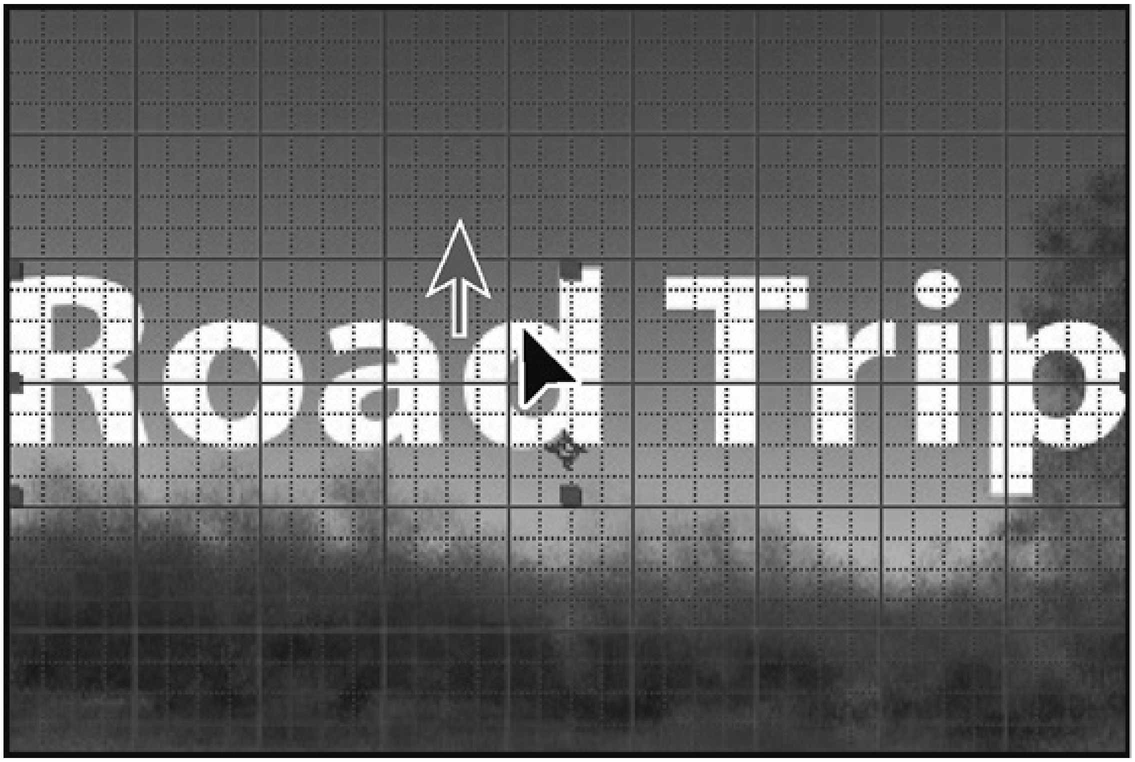


图3.9

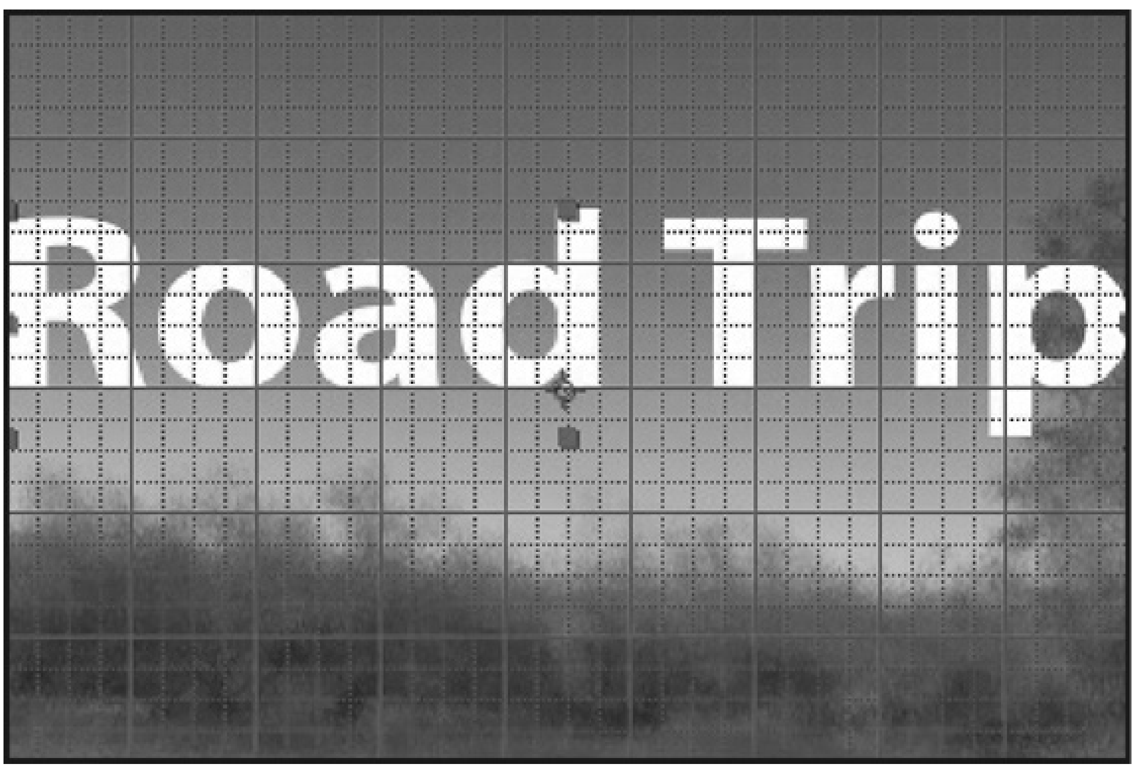


图3.10

5. □□□□□□□□□□□View>Hide Grid□□□□□□□□□□□□□□

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6. □□□□□□□□□□Workspace□□□□□Standard□□□□□□□
Standard□□□□□□□□File>Save□□□□□□□□

3.4 □□□□□□□

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1. □Home□□□□□0:00□□□□□□□□□□□□□□□□□□□□After Effects
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2. □□The Pond□□□□□

3.4.1 □□□

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Bridge□□□□□□□□□□□□□□□□□□□□□□□□□□

> **□□□**
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> □□Bridge□□□□□□□□□Bridge□□Browse□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Animation>Browse Presets□□□□□□□□□Adobe Bridge□
□□□□□After Effects Presets□□□□□□□□

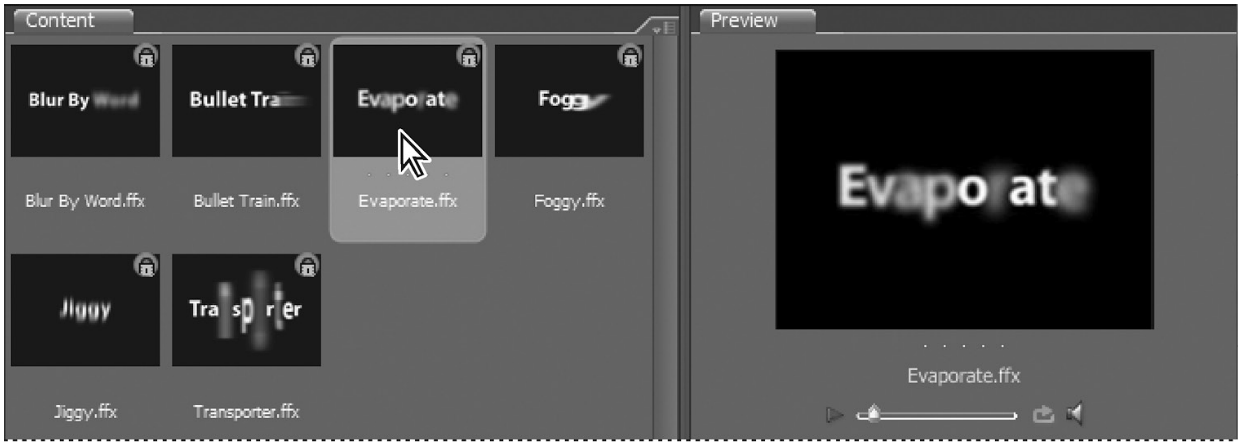
2. □Content□□□□□Text□□□□□□□Blurs□□□□

3. □□□□□□□□□□Blur By Word□Adobe Bridge□Preview□□□□□
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Effects□□After Effects□□□□□□□□□□□□□□Road Trip□□□□□3.11□□□



□3.11

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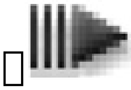
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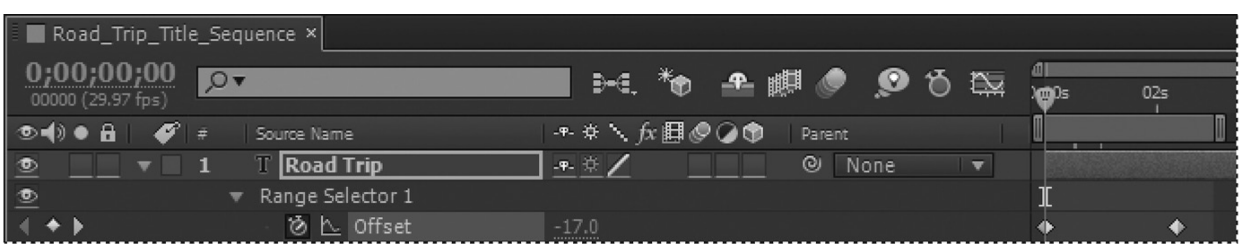
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□3.16

3. □□Animation>Keyframe Assistant□□□□□□>Time-Reverse Keyframes□□□□□□□□□□□□□□□□□Offset□□□□□□□□□□□□□□□□□□□□□□□□□

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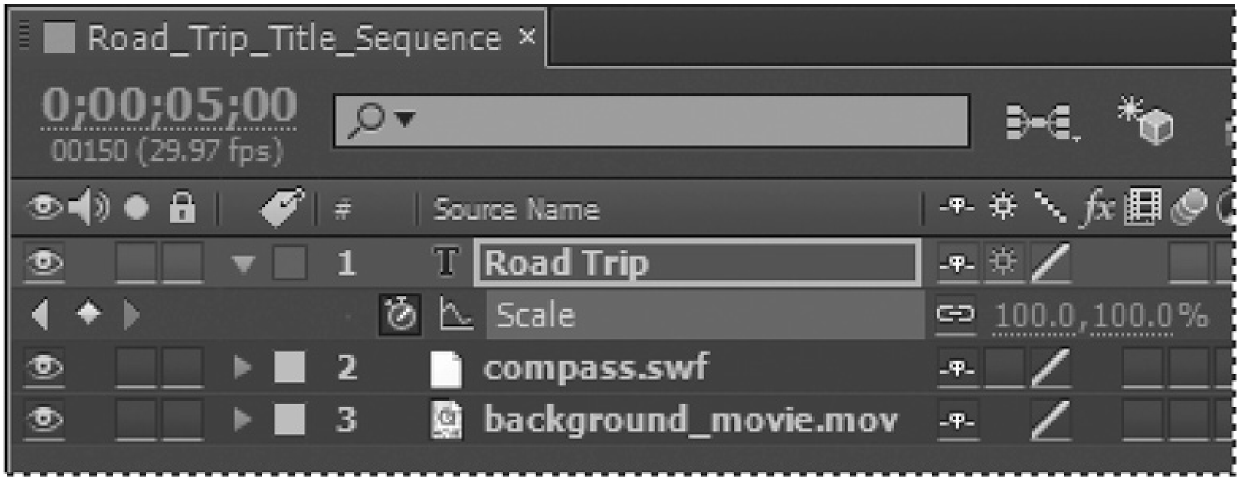
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1
Road Trip
Scale
100.0,100.0%
2
compass.swf
3
background_movie.mov

□3.20


Road Trip

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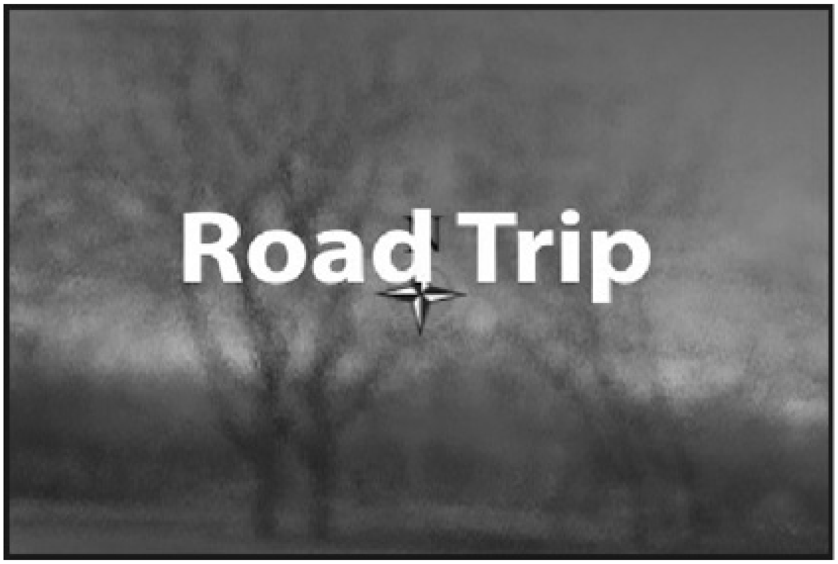
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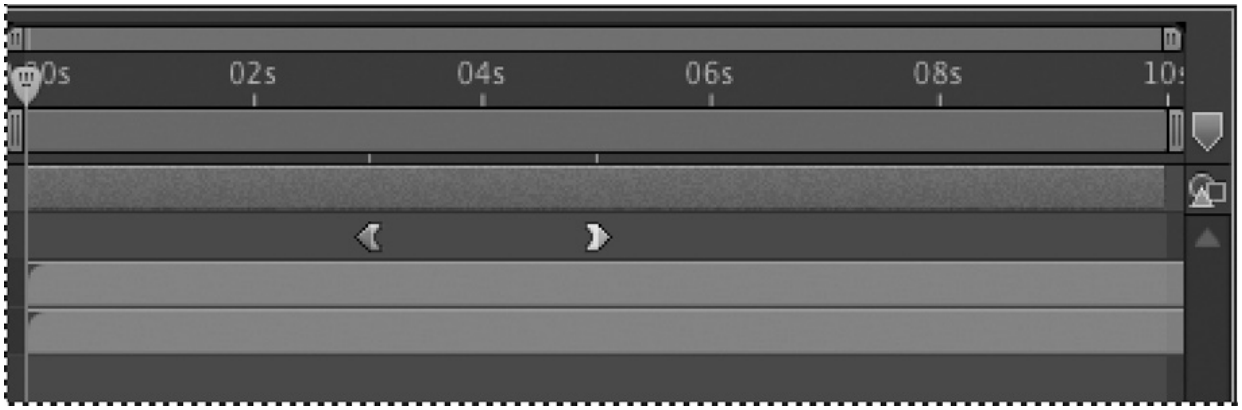
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2. □□□□Windows□□□Control□□□Mac OS□5:00□□□□□□□□Keyframe Assistant□□□□□>Easy Ease In□□□□□□□□□□□□□□□□□□3.25□□



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3. □□□□□RAM□□□□□□□□□□□□□□□□□□

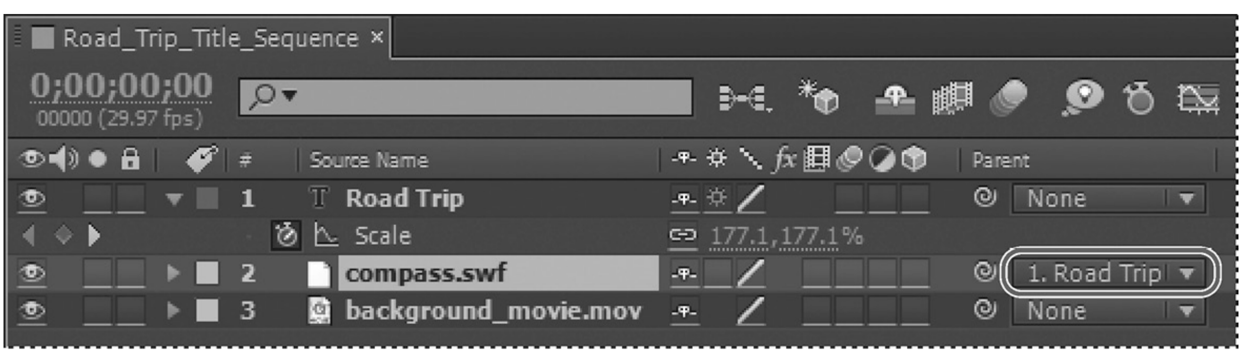
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2. □Timeline□□□□□□compass□□□Parent□□□□□□□□□□□□□1.Road Trip□□□Road Trip□□□□□□□□compass□□□□□□□□□□□compass□□□□□□□□□□□3.26□□□



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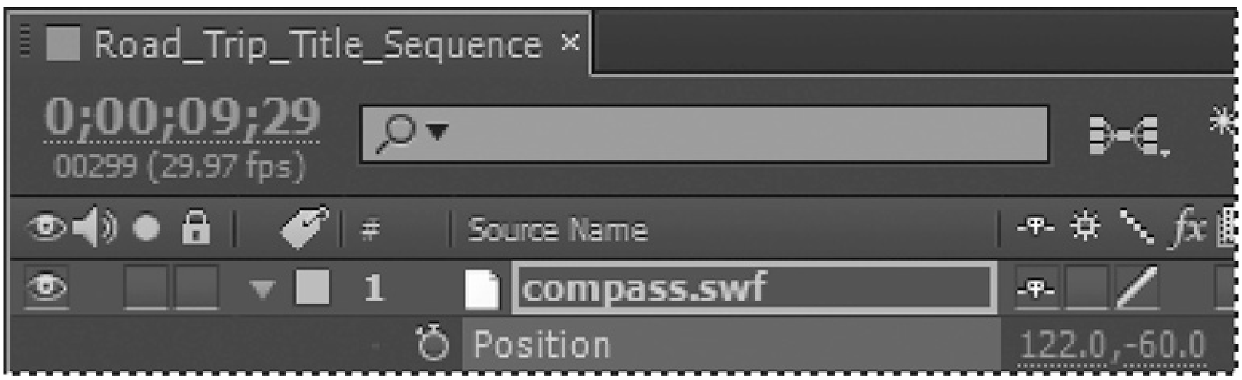
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□3.27



□3.28

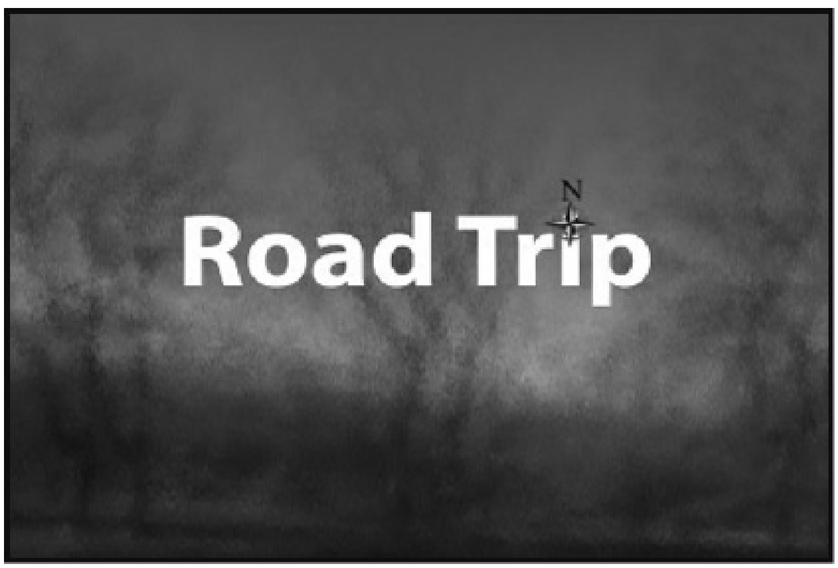
6. □□□□□□□□□3:00□□□5:00□□□3.29□□3.31□□□



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3.7 □□□□Photoshop□□□□□□

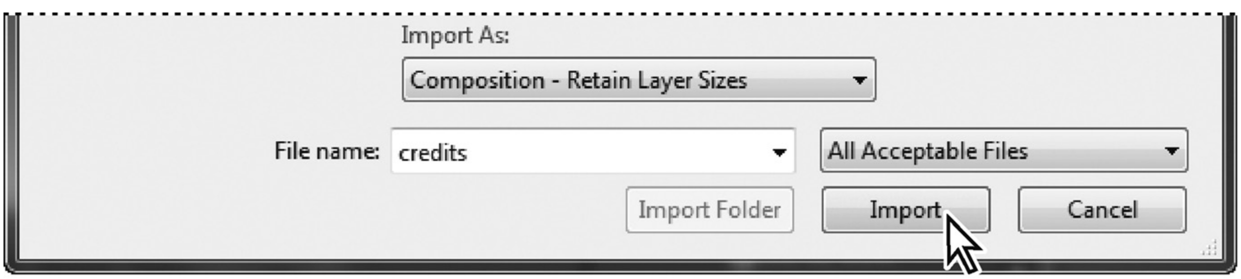
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2. □□AECC_CIB\Lessons\Lesson03\Assets□□□□□credits.psd□□□□Import As□□□□□□□Composition-Retain Layer Sizes□□□□□-□□□□□□□□□□□□Import□Open□□□□□3.32□□□

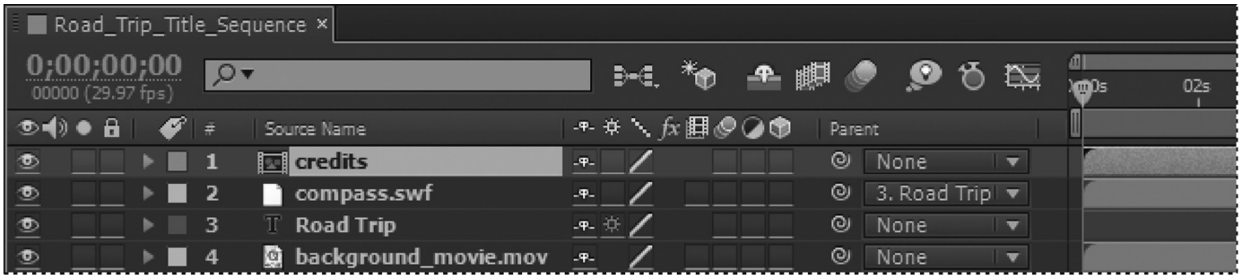


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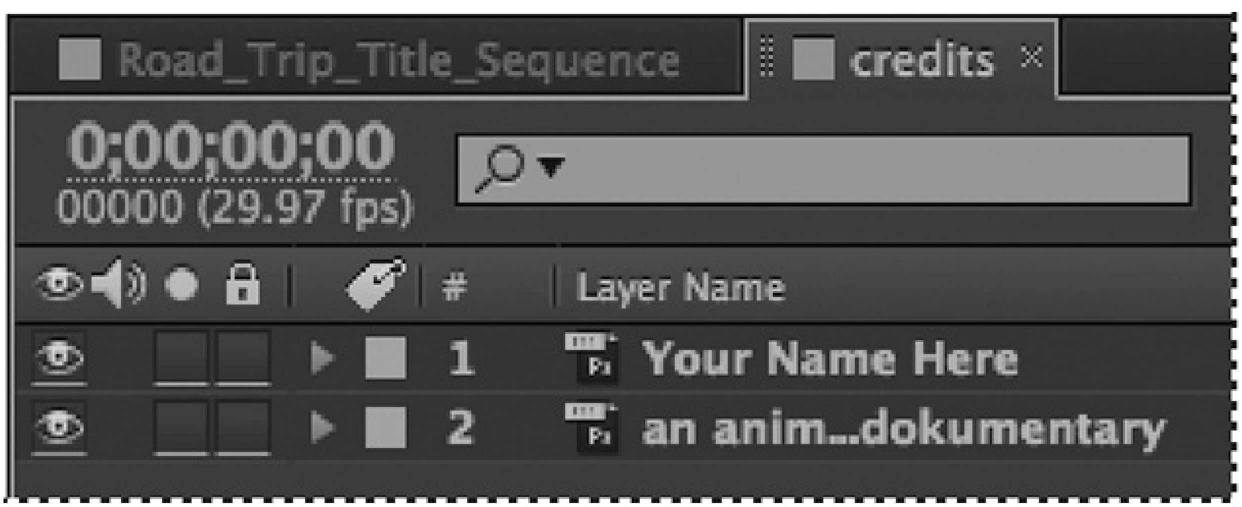
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2. □□Shift□□□□□Credits Timeline□□□□□□□□□□□□ Layer>Convert To Editable Text□□□□□□□□□□□After Effects□□□□□□□□□□□□OK□□□□□□□□□□□□□□□□□□□□□□□□□□□

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□3.36



□3.37

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□□□□□□□□□□□□□□Timeline□□□□□□□□□□□□□□□□□□□□□□□□□Photoshop□□□□□□□□□□□□□

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5. □□□Selection□□□  □□□□□□□□□□□

6. □□Shift□□□□□Timeline□□□□□□□□□

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□3.38



□3.39

9. □□Timeline□□□□□□□□□□□□□2□□□□□□□□□□□□2□

10. □Character□□□□□□Fill Color□□□□□□□□□□Text Color□□□□
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□3.40



□3.41

3.7.3 □□□□□□□□□

□□□□□□□“*an animated documentary* ”□□□□□□□□□□□□□□□□
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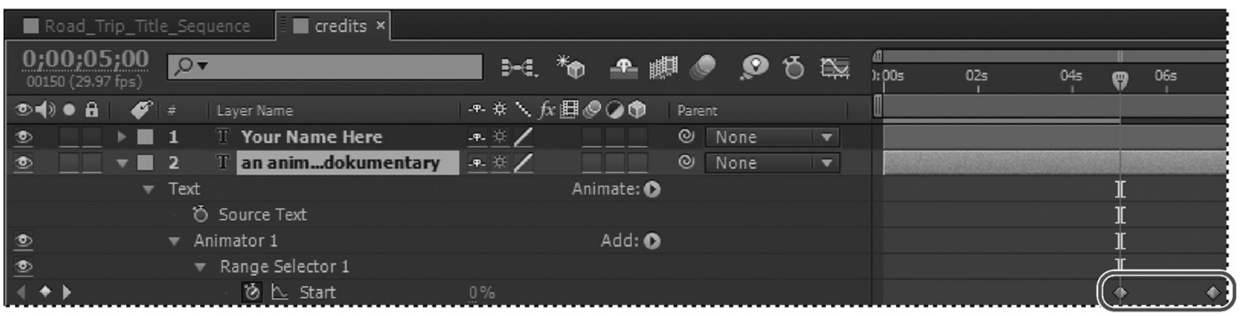
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4. □□□Presets/Text/Animate In□□□□

5. □□Fade Up Characters□□□□□□□□□□□Preview□□□□□□□□□□□□□□□□□□□

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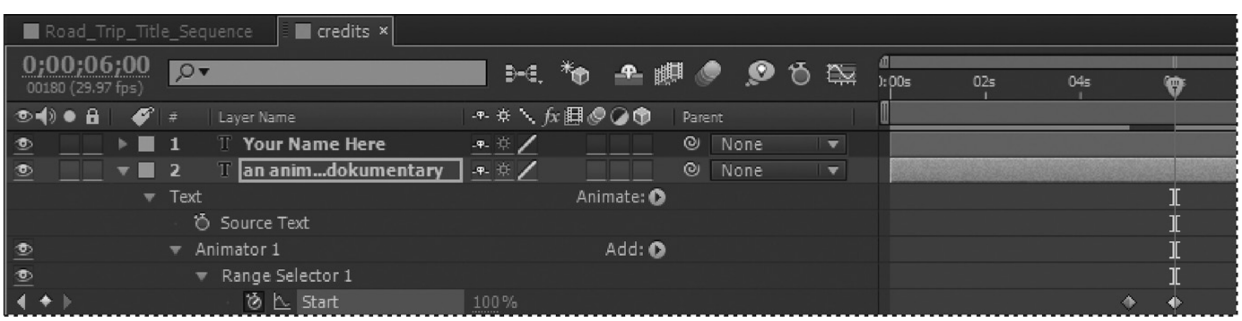
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□3.42

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3.8 [illegible]

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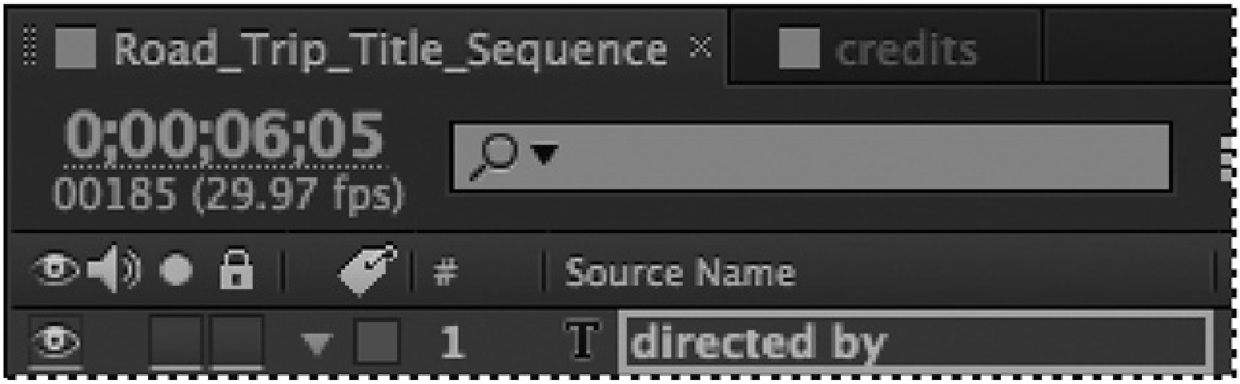
[illegible]

[illegible]*pipes*[illegible]*directed by*[illegible]

1. [illegible]Timeline[illegible]6 :05[illegible]pipes[illegible]

2. [illegible]Timeline[illegible]pipes[illegible]After Effects[illegible]Horizontal Type[illegible]T[illegible]Composition[illegible]pipes[illegible]

3. [illegible]directed by[illegible]pipes[illegible]Enter[illegible]After Effects[illegible]Timeline[illegible]3.44[illegible]3.45[illegible]



□3.44



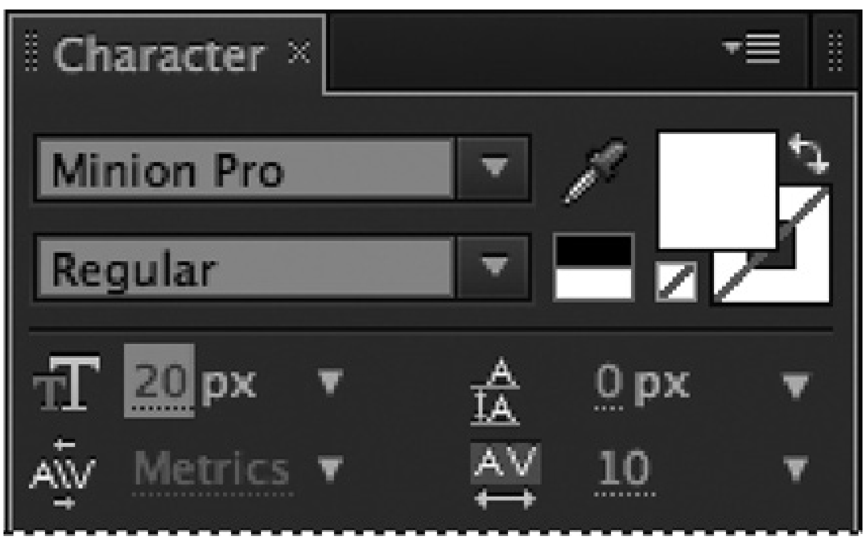
□3.45

4. □□Character□□□□□□□□□□

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- □Font Style□□Regular□
- □Font Size□□20□□□
- □□□□□□□□□□□□□□3.46□□3.47□□□



[illegible]3.46



[illegible]3.47

5. [illegible]5:00[illegible]8:00[illegible]*directed by* [illegible]

[illegible]

6. □□Selection□□□□□□□Composition□□□□□□□□□□□

7. □□□□□□□□□□□□□□□Road Trip□□□□□□□□□□□□□Your Name Here□□□□□□□□□□□□□□□□□□□□□□□□□□3.48□□3.49□□□



□3.48



□3.49

8. □Enter□Return□□□□□

□□
□□□□□

9. □□Timeline□□□directed by□□□□□□□□□□□□□□□□File>Save□
□□□□□□

3.9 □□□□□□□

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3.9.1 □□□□□□

□□□□□□□□□□□□□□□□□□□——Your Name Here□□□□□□□□□□□□□□
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1. □□□Timeline□□□□Credits□□□□□□□Your Name Here□□□

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2. □□Horizontal Type□□□T□□□□□□□□□□□□Your Name Here□□3.50□□□



□3.50

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3.9.2 □□□□□□

□□□□□□□□□□□□□□□*directed by* □□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□□7:10□

2. □□Timeline□□□□Your Name Here□□□

3. □□□Adobe Bridge□□□□□Presets/Text/Tracking□□□□□Increase Tracking□□□□□□□□□□□□□□□□After Effects□□Your Name Here□□□

□□:

□□□□□□□Adobe Bridge□□□□□□□□□□□□□□Effects & Presets□□□□□□□□Increase Tracking□□□□□□□□□□□□□□□□Timeline□□□□□□□□□

4. □□□□□□□□□□□□□□7:10□9:10□□□□□□□□□□□□□□□□□□3.51□□3.53□□□



□3.51



□3.52



□3.53

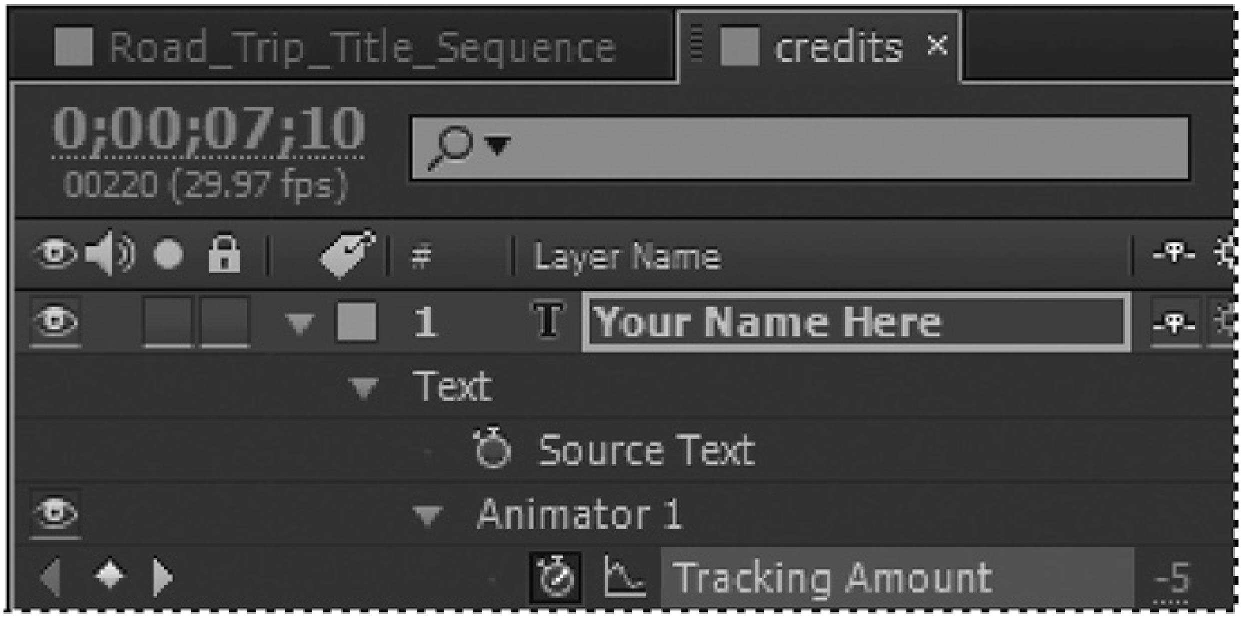
3.9.3 □□□□□□□□

□□Tracking Amount□□□□□□□□□□□□□□

1. □Timeline□□□□□Your Name Here□□□□□□U□□□□□□□□□□□

2. □□□7:10□

3. □Animator 1□□□Tracking Amount□□□−5□□□□□□□□□□□□□□□3.54□□3.55□□□

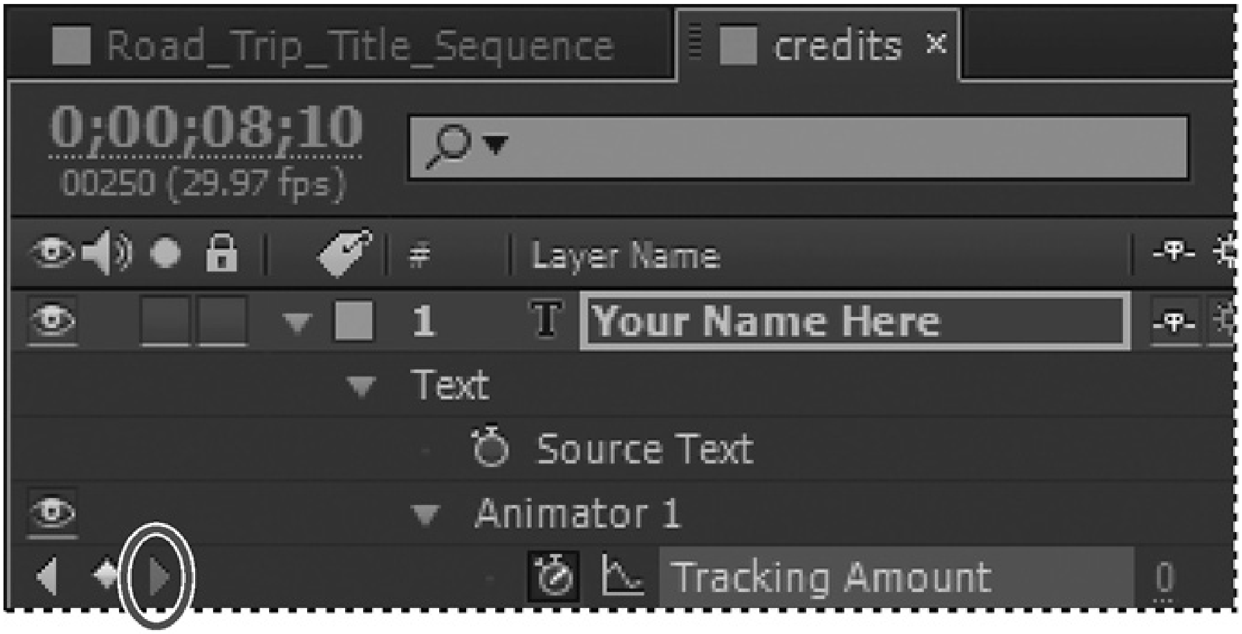


□3.54



□3.55

4. □□Tracking Amount□□□Go To Next Keyframe□□□□□□□□□□□□□ ▶ □□□□□□□□□□□0□□□3.56□□3.57□□□



□3.56



□3.57

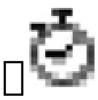
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3.10 □□□□□□□□□□□□

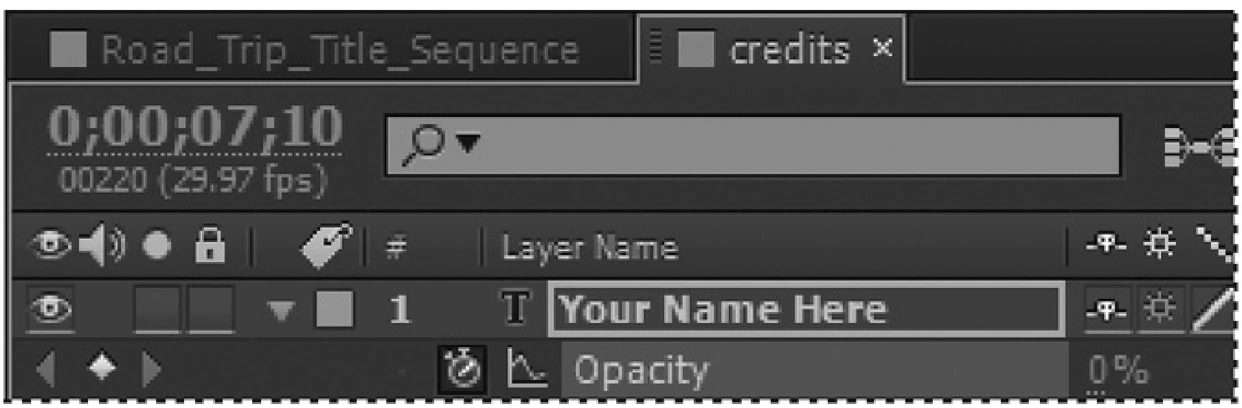
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Opacity□□□□□□□□□□□□□□□

1. □□Credits□□□□□Your Name Here□□□

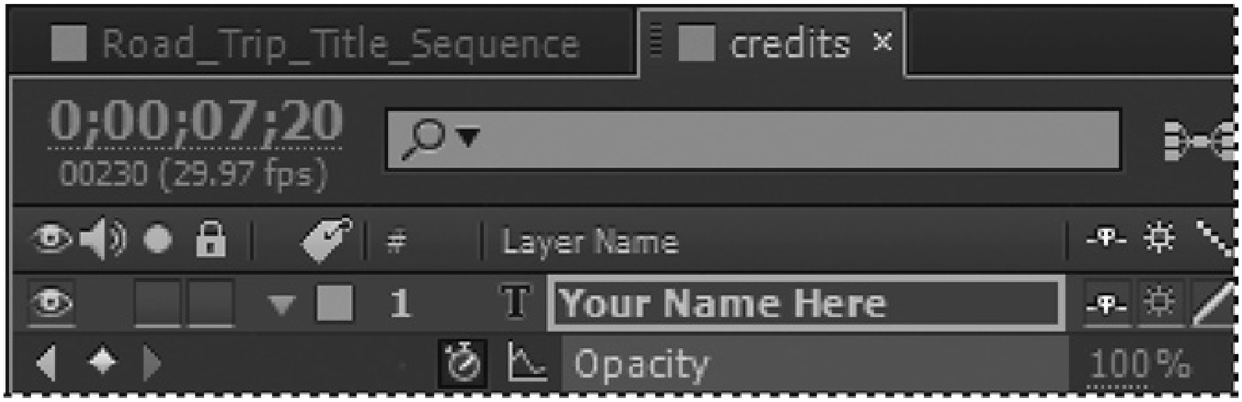
2. □T□□□□□□□□Opacity□□□

3. □□□7:10□□Opacity□□□0%□□□□□□□□□□□□□□□□□□
Opacity□□□□

4. □□□7:20□□Opacity□□□100%□After Effects□□□□□□□□□□
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□3.58



□3.59

5. □□□□□□□□□□□□□□□7:10□9:10□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□3.60□□3.62□□□



□3.60



□3.61



□3.62

6. □□□□□Windows□□□□Control□□□□Mac OS□Opacity□□□□□□□□□Keyframe Assistant > Easy Ease In□□□

7. □□File>Save□□□

3.11 □□□□□□□

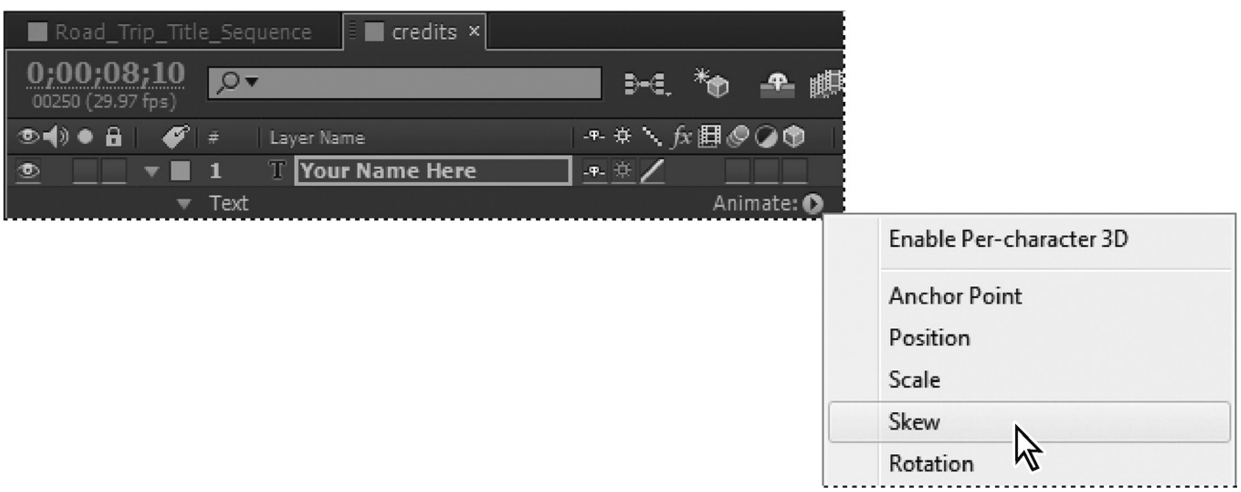
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1. □Timeline□□□□□□8:10□

2. □□Your Name Here□□□Opacity□□□□□□□□□□□□□□Text□□□□□□

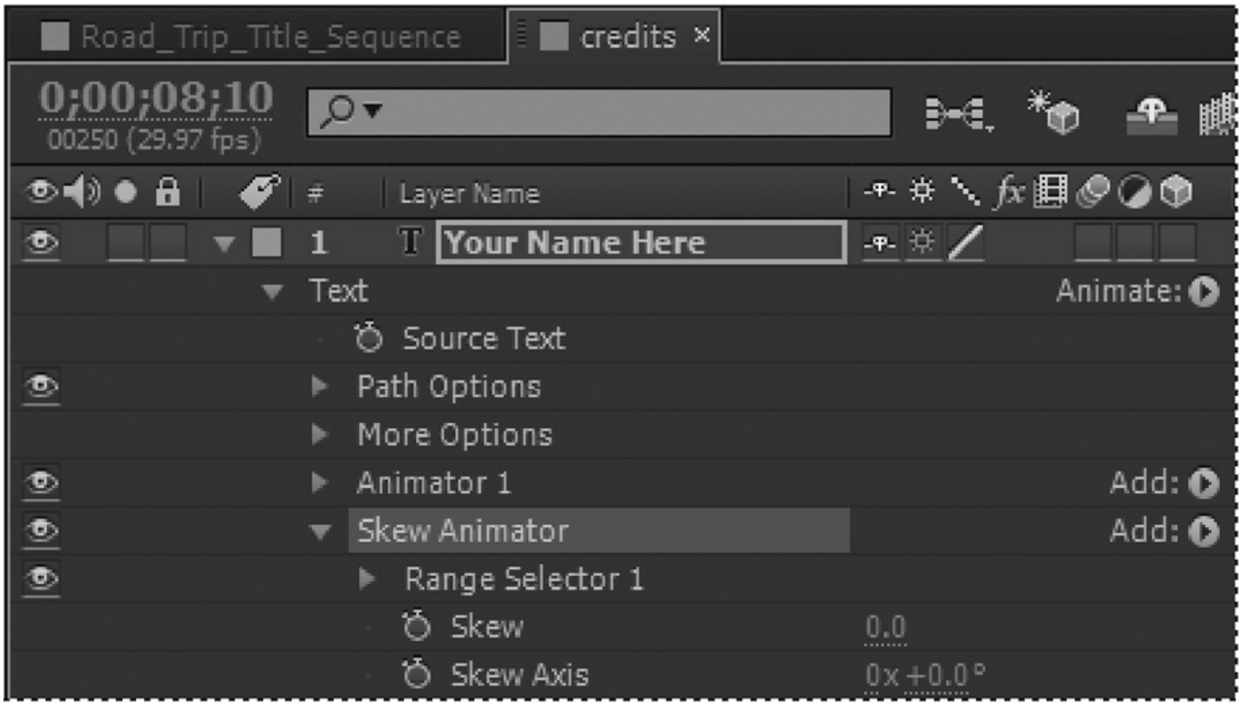
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3. □□Text□□□□□□Animate□□□□□□□Skew□□□□□□□□□□□Text□□□□□□□□□□Animator 2□□□□□□□3.63□□□



□3.63

4. □□Animator 2□□Enter□□Return□□□□□□□Skew Animator□□□□□□□Enter□□Return□□□□□□□□□□3.64□□□



□3.64

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5. □□Skew Animator□Range Selector 1□□□□□□1□□□□

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6. □□□□Composition□□□□□□□□□□□□Skew Animator□Range Selector 1 Start□□□□□□1□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□*Bender* □□*B* □□□□

7. □□□□□□□Skew Animator□Range Selector 1 End□□□□□□1□□□□□□□□□□□Composition□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□*Bender* □□*r* □□□□□□3.65□□3.67□□□


Catherine Bender Ulrich

图3.65

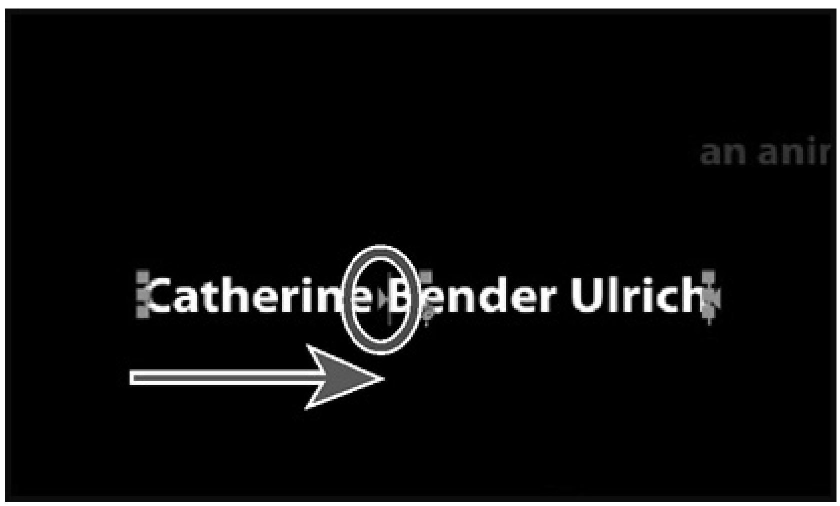

Catherine Bender Ulrich

图3.66


Catherine Bender Ulrich

□3.67

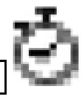
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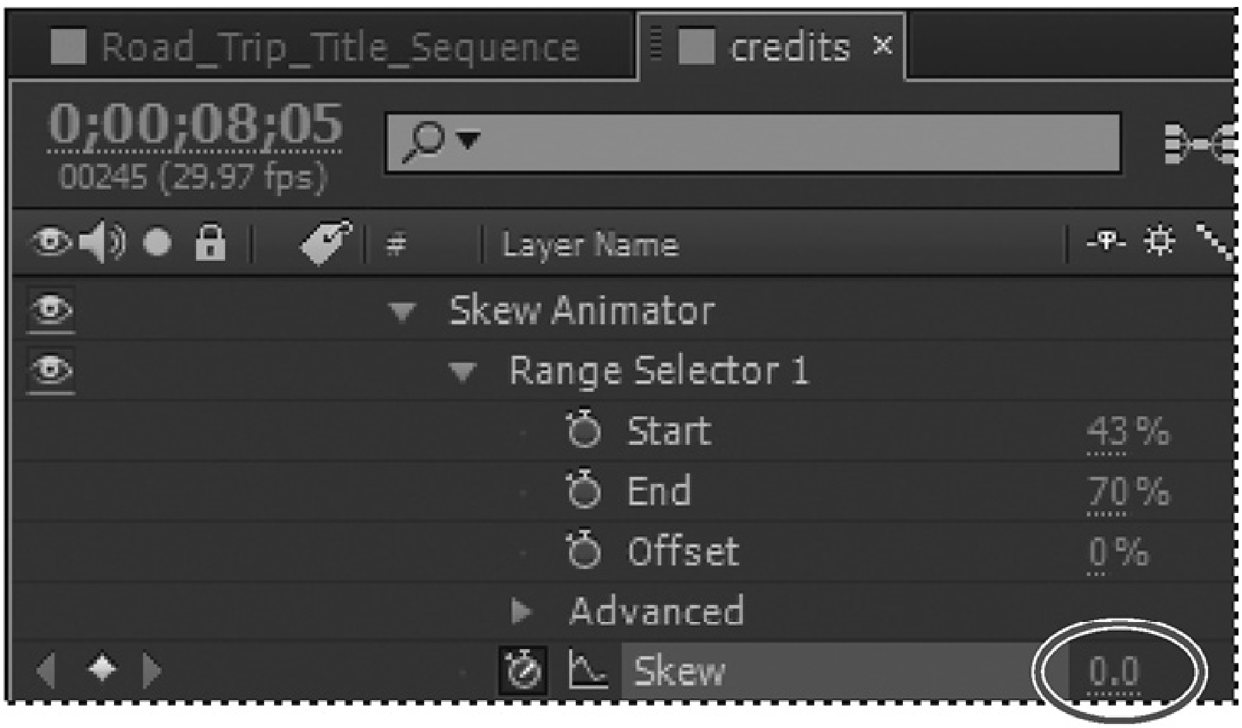
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□□□□□□□Skew□□□□□□□□□□□

1. □□□Skew Animator□Skew□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□

2. □Skew Animator□Skew□□□0□

3. □□□8:05□□□Skew□□□□□□□□□□  □□□□□□□□□□□□□□3.68
□□3.69□□□

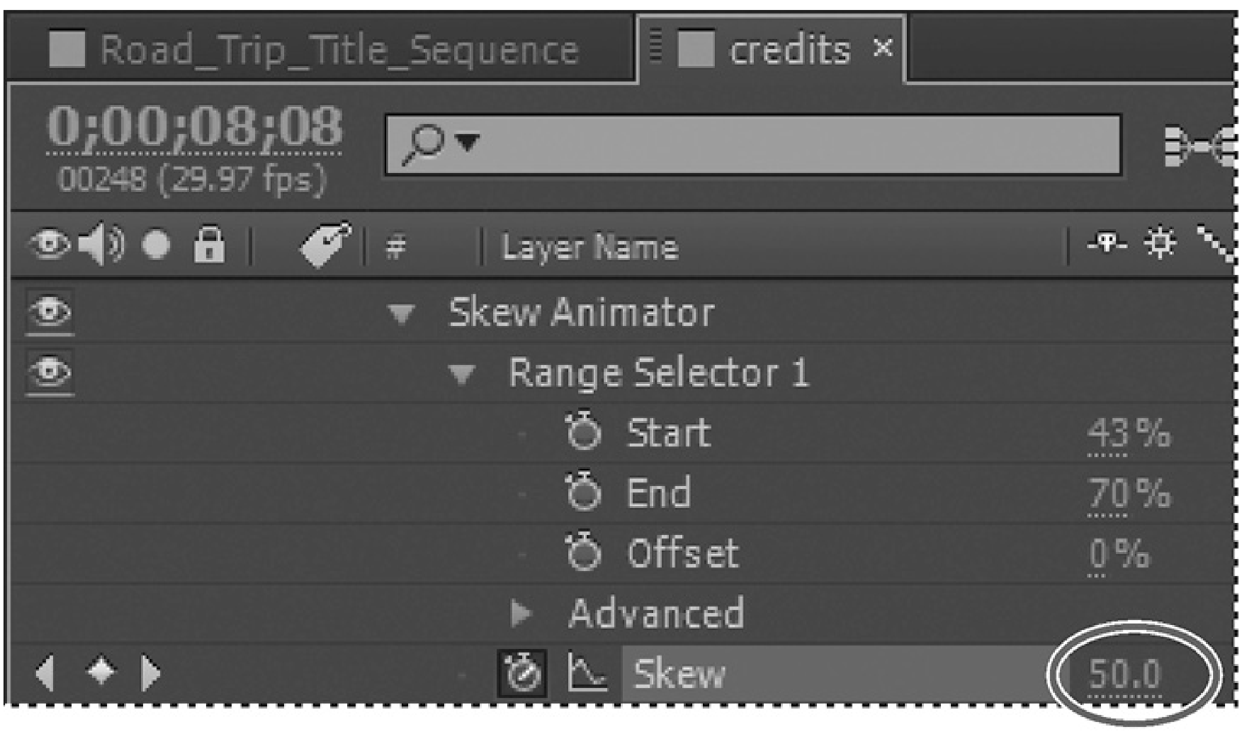


□3.68



□3.69

4. □□□8:08□□Skew□□□50.0□After Effects□□□□□□□□□□□3.70□□3.71□□□

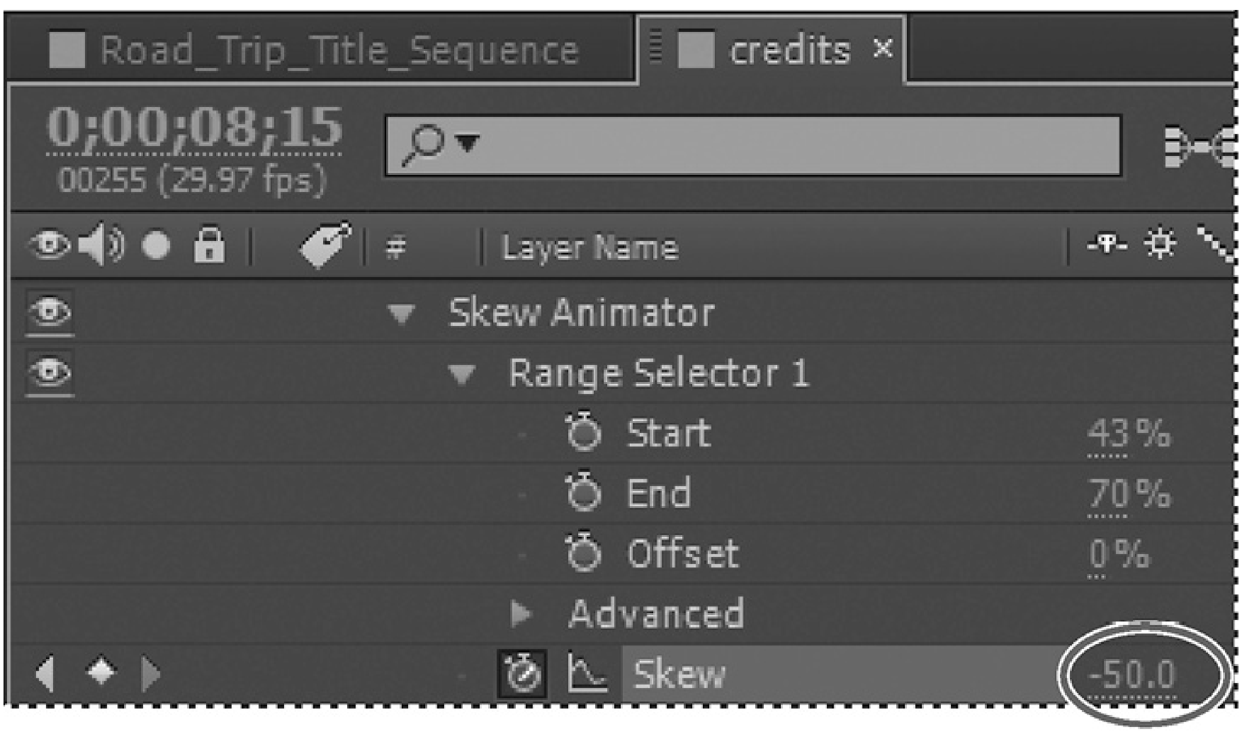


□3.70



□3.71

5. □□□8:15□□Skew□□□−50□After Effects□□□□□□□□□□□□3.72□□3.73□□□

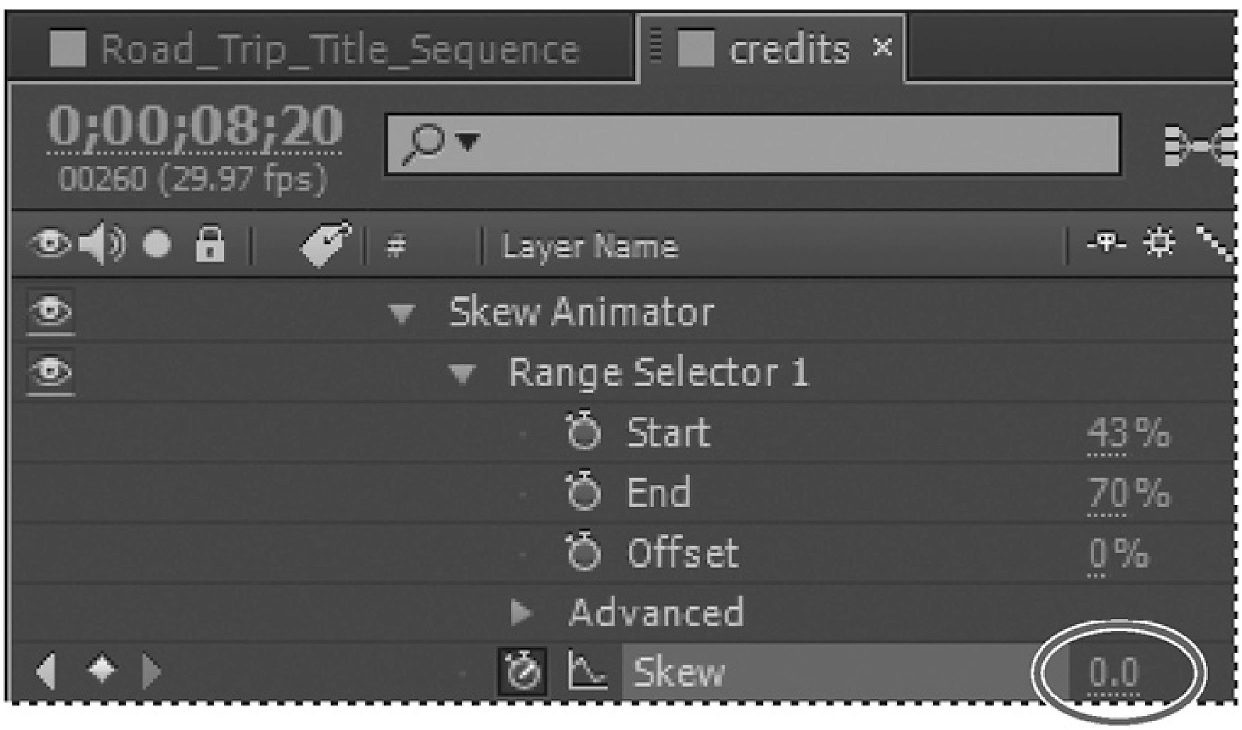


□3.72



□3.73

6. □□□8:20□□□Skew□□□0□□□□□□□□□□□□□□3.74□□3.75□□□



□3.74



□3.75

7. □□Skew□□□□□□□Skew□□□□□□□Animation>Keyframe Assistant>Easy Ease□□□□□□□□□Easy Ease□□□

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> □□□□□□□□□□□□□□□□□□Timeline□□□□□□□□□□□Animation>Remove All Text Animators□□□□□□□□□□□□□□□□□□□□□□Timeline□□□□□□□□□□Delete□□

8. □□□□□□7:10□8:20□□□

9. □□Timeline□□□Your Name Here□□□□□

10. □□Road_Trip_Title_Sequence□□□□□□□□

11. □End□□□□□□□□□□□□9:29□□□□N□□□□□□□□□□□□□□□□□□

12. □Home□□□□0:00□□□□□□□□□□RAM□□□

13. □□□□□□□□□□□□□File > Save□□□□□□□

3.12 □□□□□

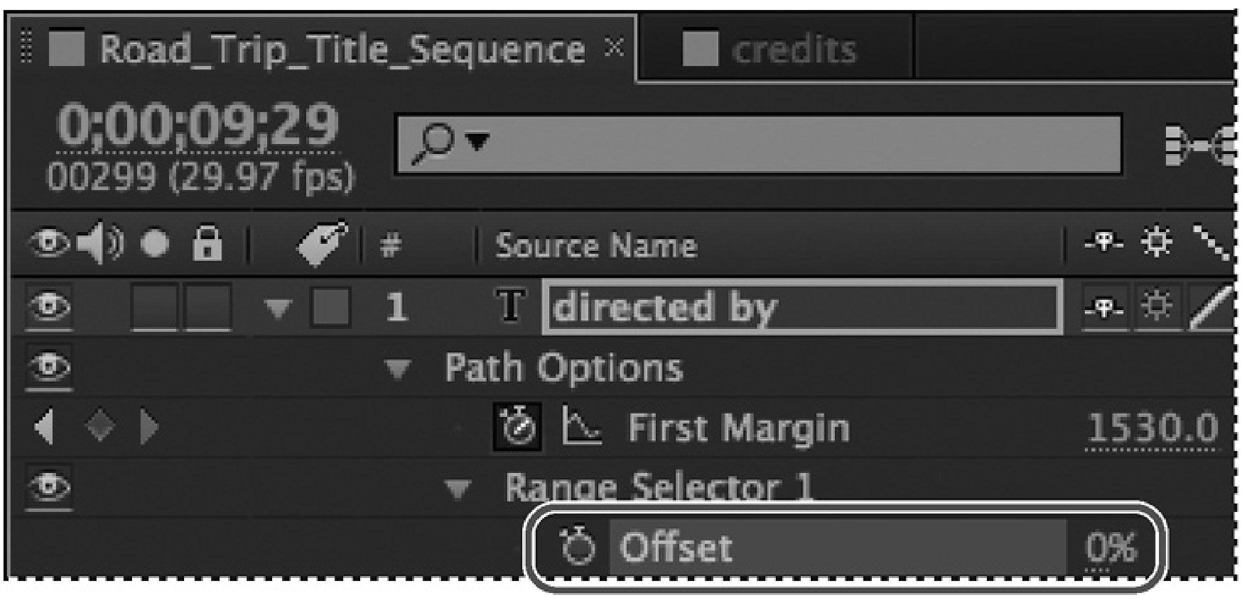
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1. □Timeline□□□□□directed by□□□□U□□□□□□□□□□□□

2. □□Range Selector 1 Offset□□□□□□1□□□□□□□□□□□□□□□

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3. □□□□□□□□□□□□□□□□□□□□□□Range Selector 1 Offset□□□□
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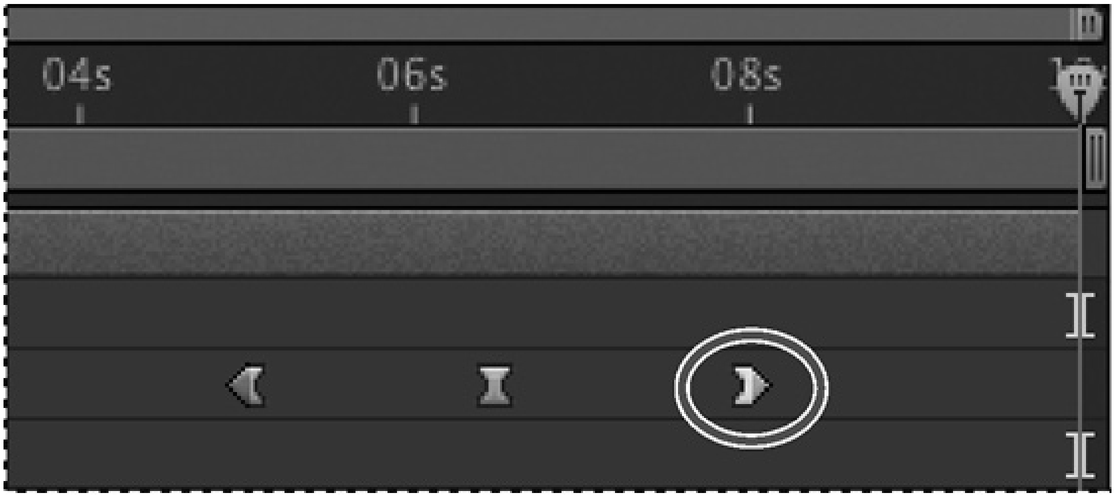


□3.76

□□□□□□□□□□□□□*directed by* □□□□□□□□□□□□□□□□First
Margin□□□□□□□□□□□□□□□□□□□□□□□□

4. □Timeline□□□□□First Margin□□□□□□□□□□□□□□□□□□□□□□
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3.77□□3.78□□□

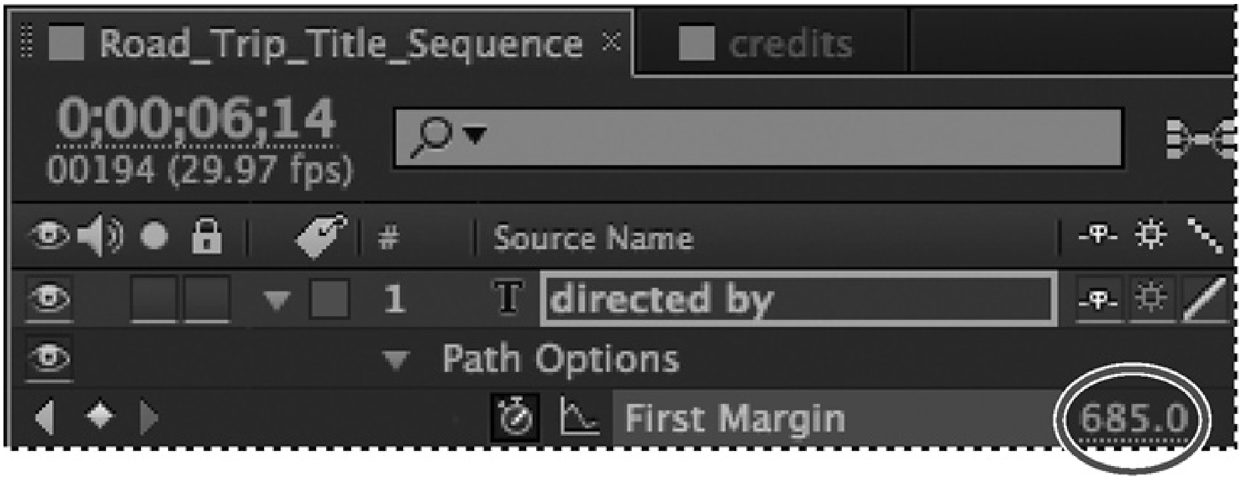


□3.77



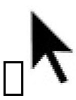
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5. □□□6:14□□First Margin□□□685□□□3.79□□□

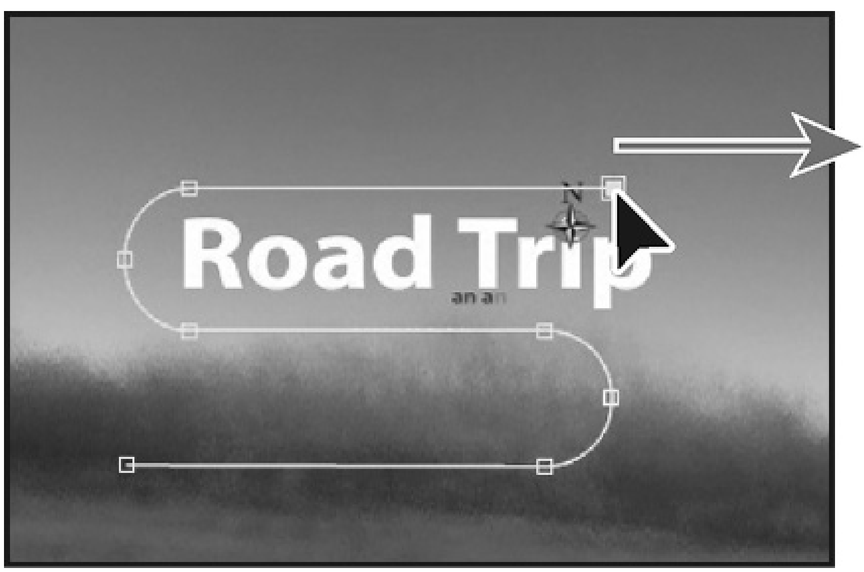


□3.79

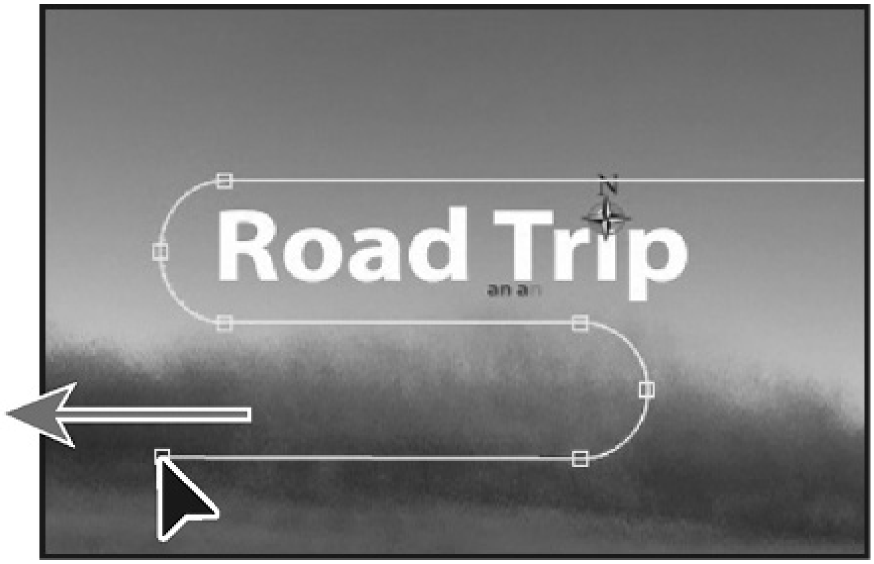
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6. □Composition□□□□□Selection□□□□□□□Shift□□□□□□S□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

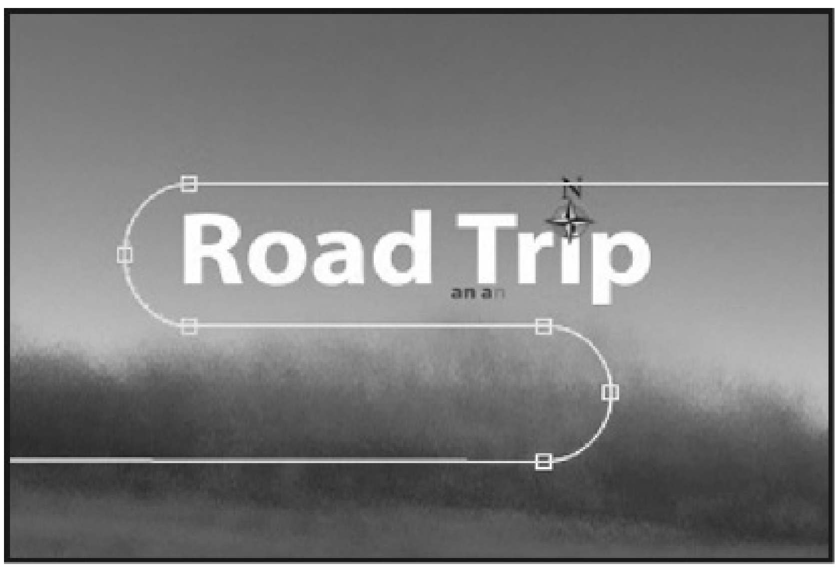
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□3.80



□3.81



□3.82

8. □□□5:00□□□□□□9:00□□□□□□□□□□□□

□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□First Margin□□□□□□□□□□□

9. □□□□□□□□□□□□□□□□□□□□□□□□□□□First Margin□□□

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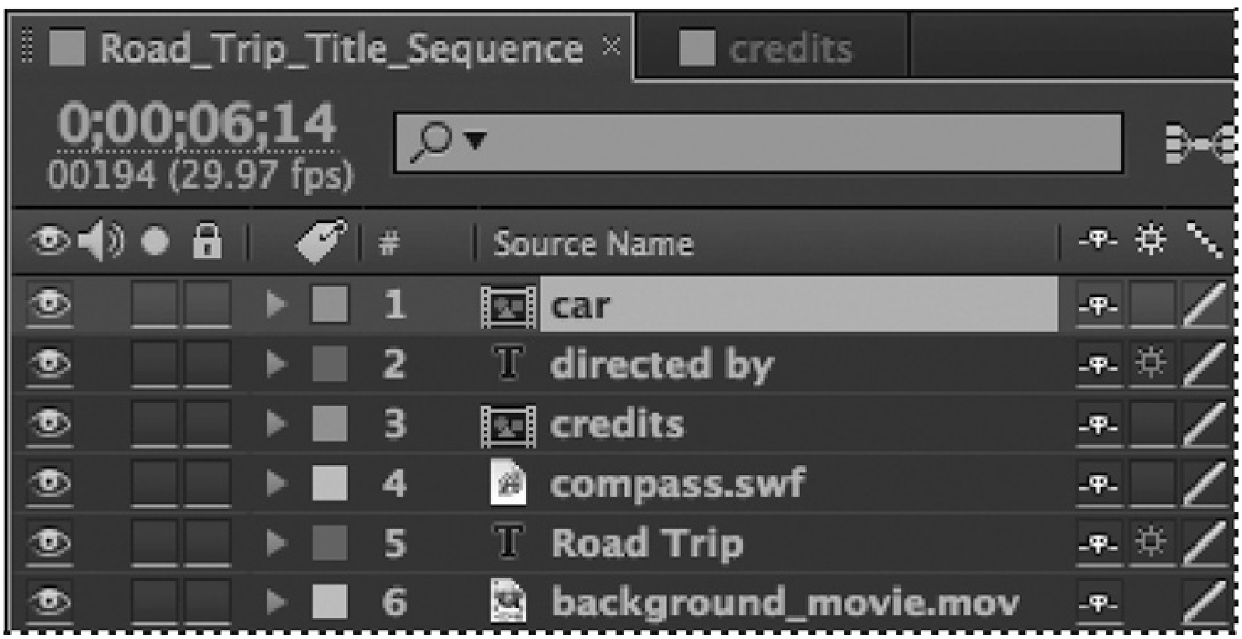
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□□*directed by* □□

1. □□Project□□□□□□□□□□□Import File□□□□

2. □□AECC_CIB\Lessons\Lesson03\Assets□□□□car.ai□□□□Import As□□□□□□□Composition-Retain Layer Sizes□□□□□Import□Open□□□

3. □Project□□□□car□□□□□□□Road_Trip_Title_Sequence Timeline□□□□□□□□□□□□3.83□□3.84□□□



□3.83



□3.84

3.13.1 □□□□□□

□□□□□directed by□□□□□□□□□□□□□car□□□

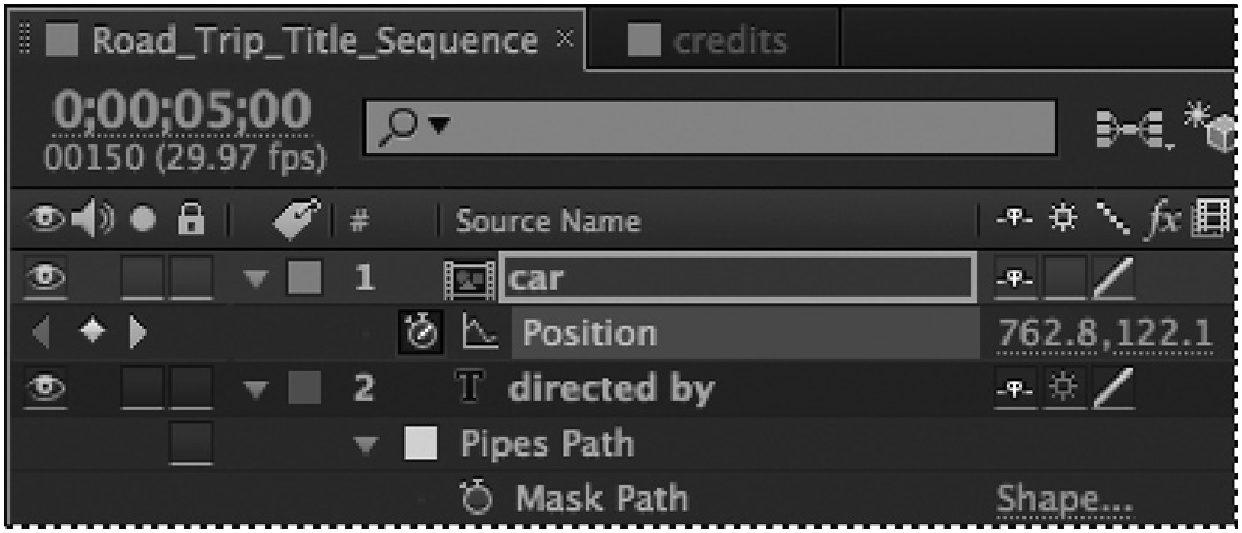
1. □□□5:00□

2. □Timeline□□□□□directed by□□□□M□□□□Mask Path□□□□□□□□□

3. □□Mask Shape□□□□□□□□□□□□□Edit>Copy□□□

4. □□car□□□□P□□□□Position□□□

5. □□□□Position□□□□□□□□□Edit>Paste□□□□□3.85□□□



□3.85

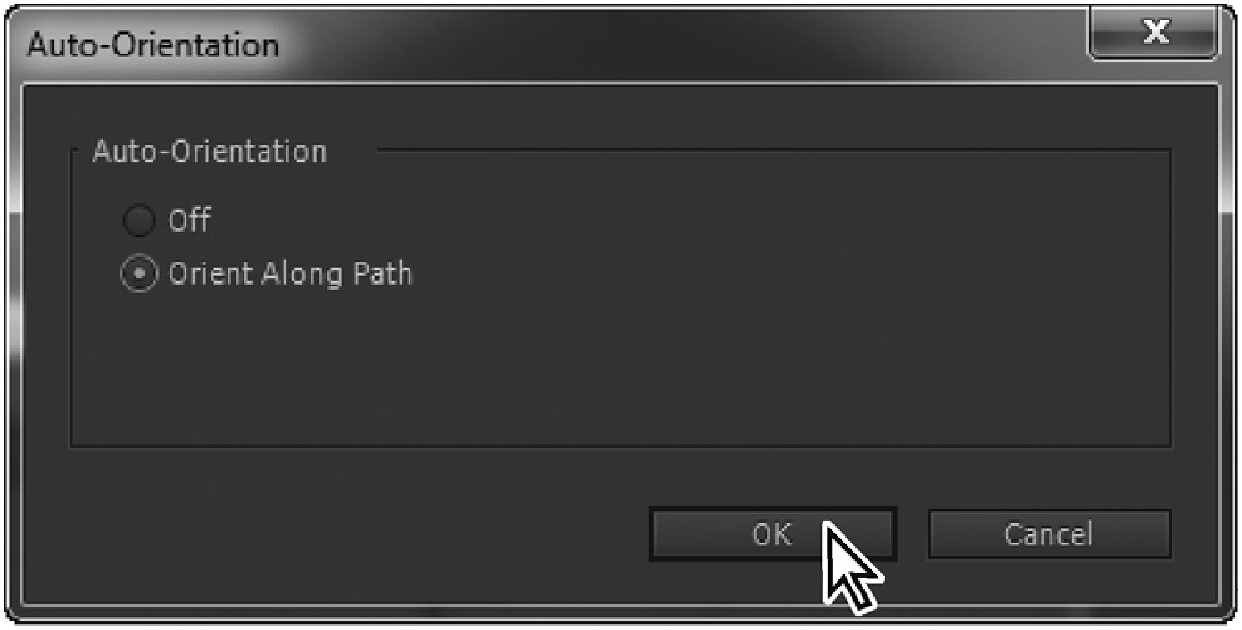
After Effects□directed by□□□Position□□□□□□car□□□

3.13.2 □□□□□□□

□□□□□□□□□□□□□□□□□□□□□

1. □□Timeline□□□□car□□□□□□Layer>Transform>Auto-Orient□□□□□□□□□

2. □Auto-Orientation□□□□□□□Orient Along Path□□□□□□□□□□□□OK□□□□□3.86□□□



□3.86

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3. □Timeline□□□□□car□□□□□□U□□□□Position□□□

3.13.3 □□□□□□□□□□□

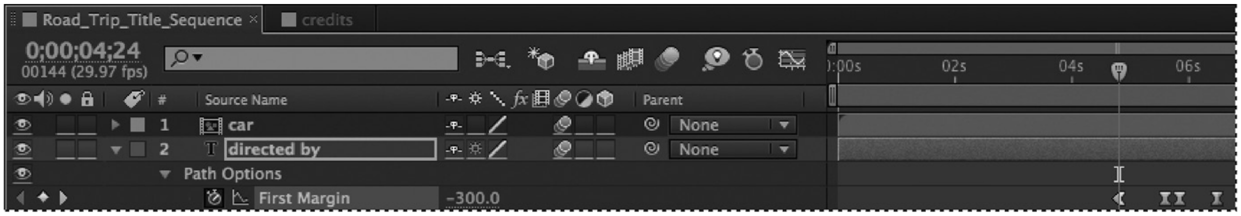
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1. □Timeline□□□□□directed by□□□□U□□□□Path Options□□□□□□□

2. □□□5:18□□First Margin□□□373□After Effects□□□□□□□□□□□□□□□□□□

3. □□□5:25□□First Margin□□□559□

4. □□□4:24□□□□□□□First Margin□□□□□□□□□□□□□□□□□□3.87□□□



□3.87

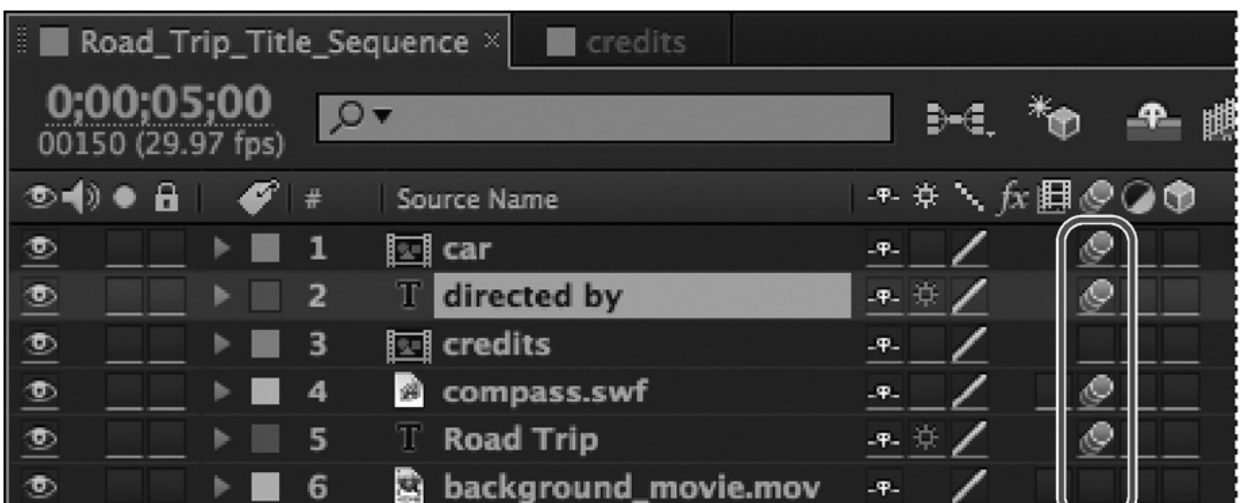
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6. □□directed by□□□□□□□□Home□□□□□□□□□□□□□□□□□□□□□□

3.14 □□□□□

□□

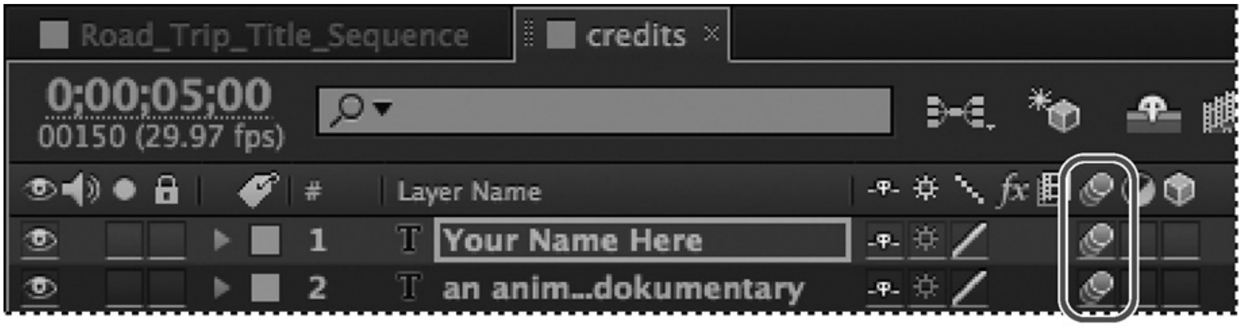
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□3.88

□□□□credits□□□□□□□□□□□□□□□

2. □□□Credits Timeline□□□□□□□□□□□□□□□□□□□□3.89□□□



□3.89

3. □□□Road_Trip_Title_Sequence Timeline□□□□□□credits□□□Motion Blur□□□□□□□Timeline□□□□□Enable Motion Blur□□□□□□□□□□□□□□□□□Composition□□□□□□□□□□□□

4. RAM□□□□□□□□□□□

5. □□File>Save□□□□□□□

□□14□□□□□

3.15 □□□□□□

3.15.1 □□□

1. After Effects□□□□□□□□□□□□□□□□□□□□□□□

2. □□□□□□□□□□□

3. □□□□□□□□□□□□□□□□□□□□□

4. □□□□□□□□□

3.15.2 □□□□□

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3. [illegible]After Effects[illegible]

4. [illegible]

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- □□□□□
- □□Brainstorm□□□□□□□□□□□□□□□□□
- □□□□□□□Cartoon□□□□□□□□□□□□□□□□□□□□
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4.1

DJ Quad Master Cartoon OpenGL Cartoon

1. AECC_CIB \Lessons\ Lesson04

- Assets DJ.mov gc_adobe_dj.mp3
- Sample_Movie Lesson04.mov

2. Lesson04.mov QuickTime Player

After Effects “ ”

3. After Effects Ctrl+Alt+Shift Windows Command+Option+Shift Mac OS OK

4. Close Welcome

After Effects

5. File>Save As>Save As AECC_CIB\Lessons\Lesson04\Finished_Project

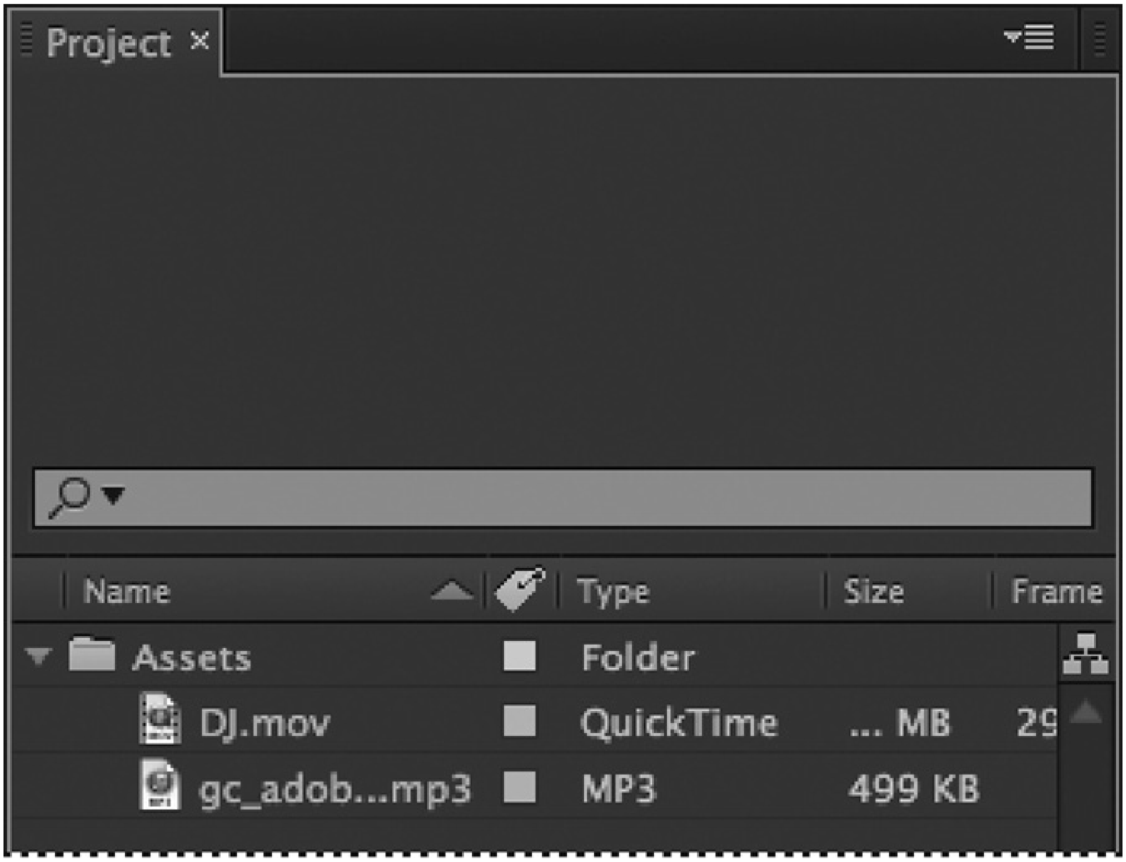
6. Lesson04_Finished.aep Save

1. Project Import File

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3. □□File>New>New Folder□□□□Project□□□□□□□□□□

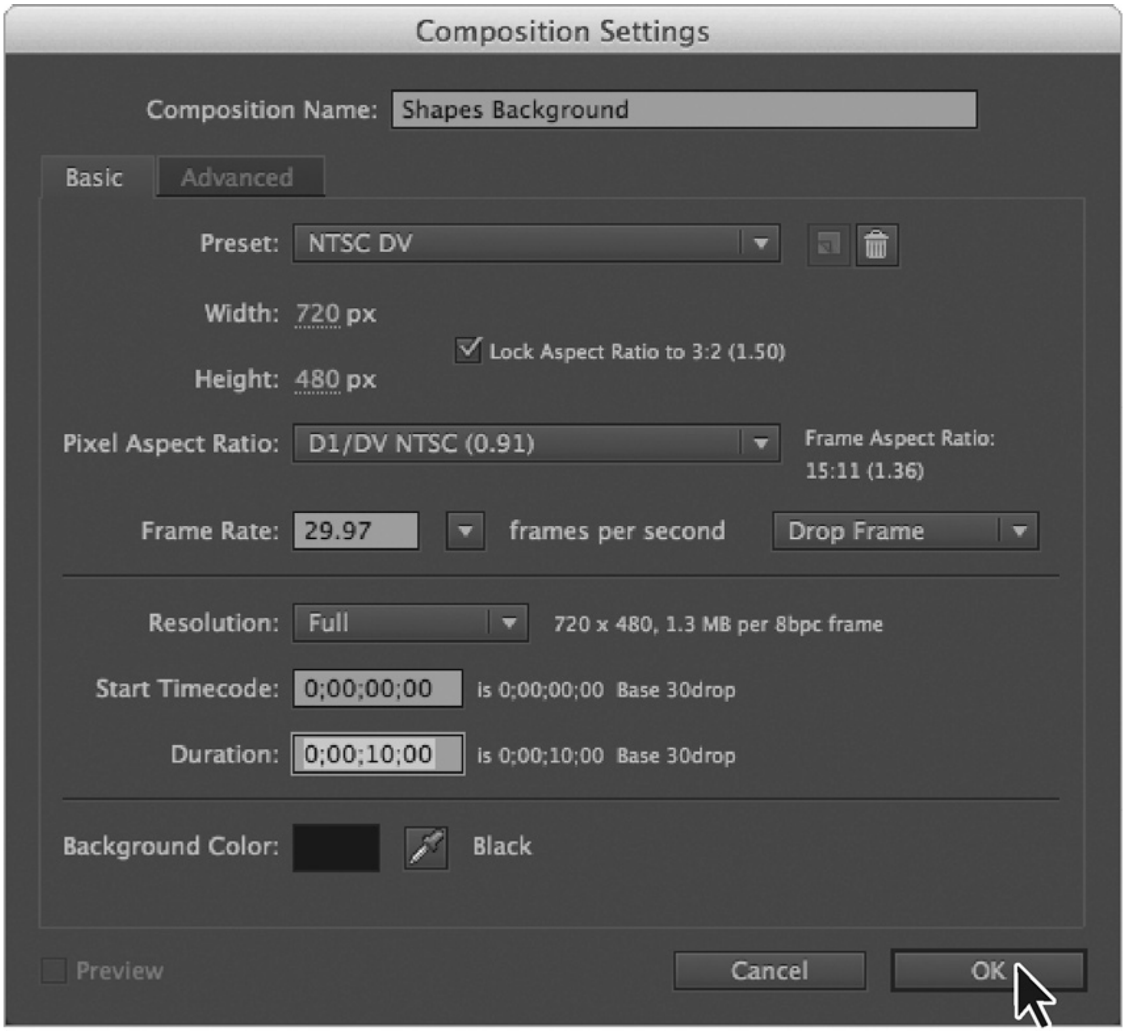
4. □□Assets□□□□□□□□□Enter□□Return□□□□□□□□□□□□□□□□□□□□□Assets□□□□□□□□□□□□□□□□□□□□□□□4.1□□□



□4.1

5. □Ctrl+N□Windows□□Command+N□Mac OS□□□□□□□□□□□□

6. □Composition Settings□□□□□□□□□□□□□Shapes Background□□□NTSC DV□□□□□□□□□□10:00□□□□□OK□□□□□4.2□□□



□4.2

> **□□:**
>
> □□□□10□□□□Duration□□□□□□□□10.□□□□□□□□□□□□□□□□□□□□□□□10□□□□□□□□□□□10..□

After Effects□□Timeline□Composition□□□□□□□□□□□

4.2 □□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Fill□□□□□□□□□□□□□□□□□□□□□□□□□□□Rectangle□□□□□□□□□□□□□□□□□□□□□□□

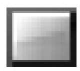
4.2.1 □□□□

After Effects□□5□□□□□□Rectangle□□□□□Rounded Rectangle□□□□□□□Ellipse□□□□□Polygon□□□□□□□Star□□□□□□□□□□Composition□□□□□□□□After Effects□□Timeline□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□

4.2.2 □□□□

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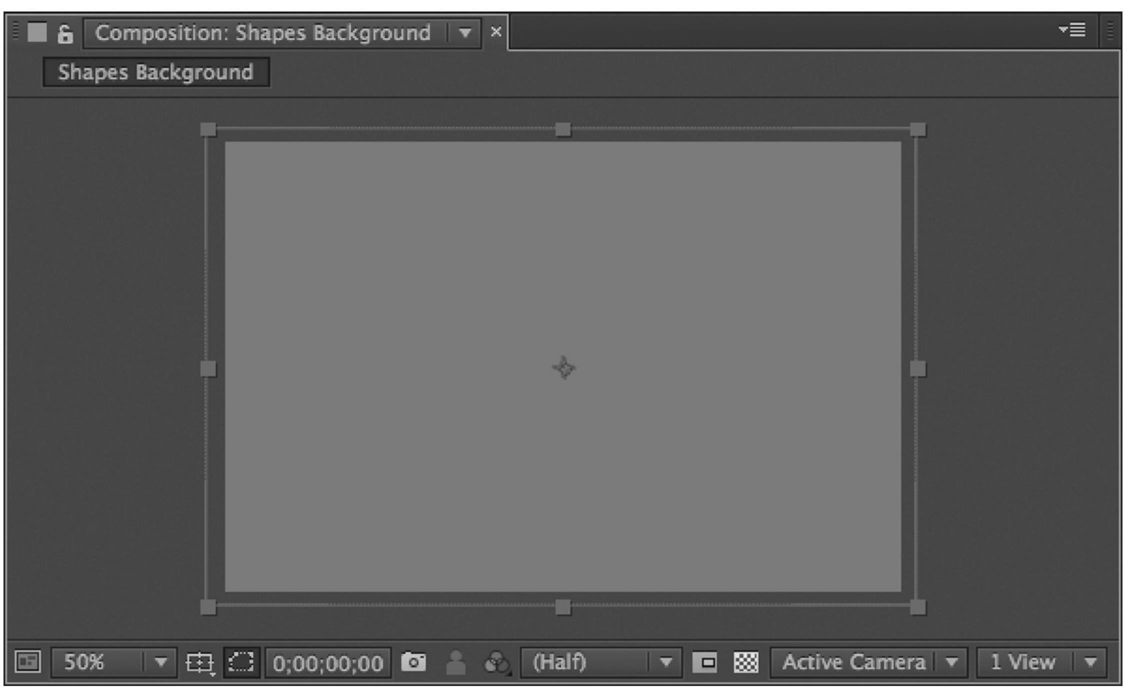
1. □□Rectangle□□□  □□□□4.3□□□



□4.3

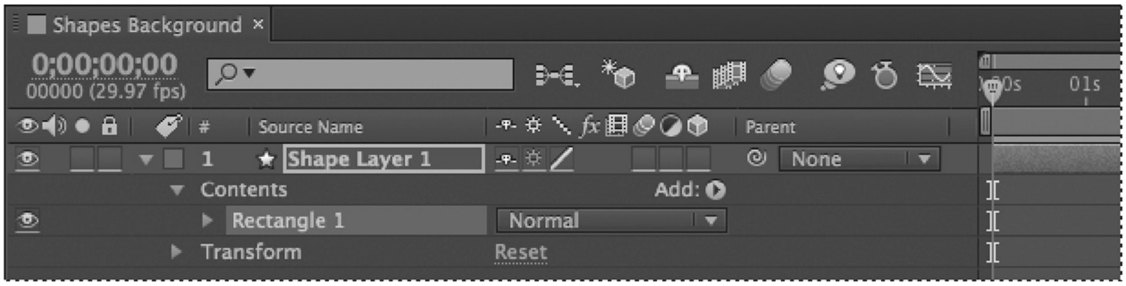
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3. □□4.4□□□



□4.4

Composition□□□□□□□□□□□□After Effects□Timeline□□□□□□□□□Shape Layer 1□□□□□□□□4.5□□□



□4.5

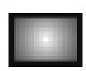
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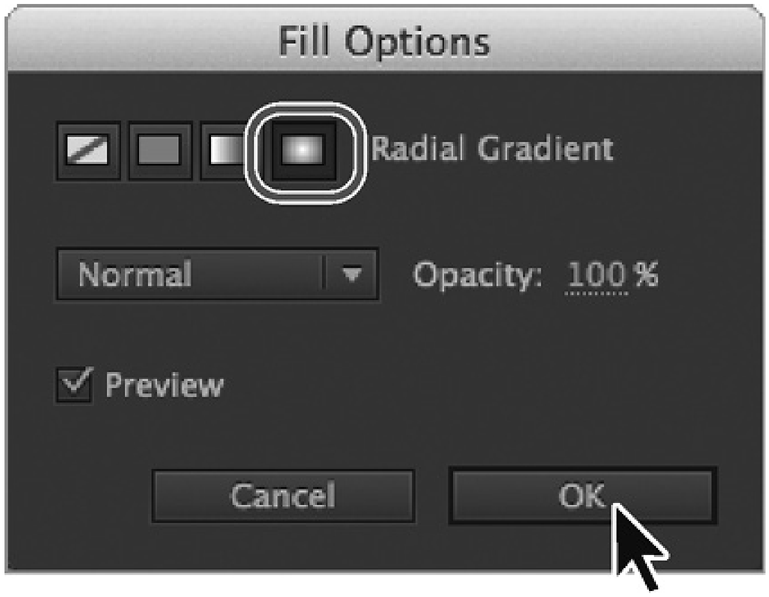
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1. □□□□fill□□□Fill Options□□□□□□4.6□□□

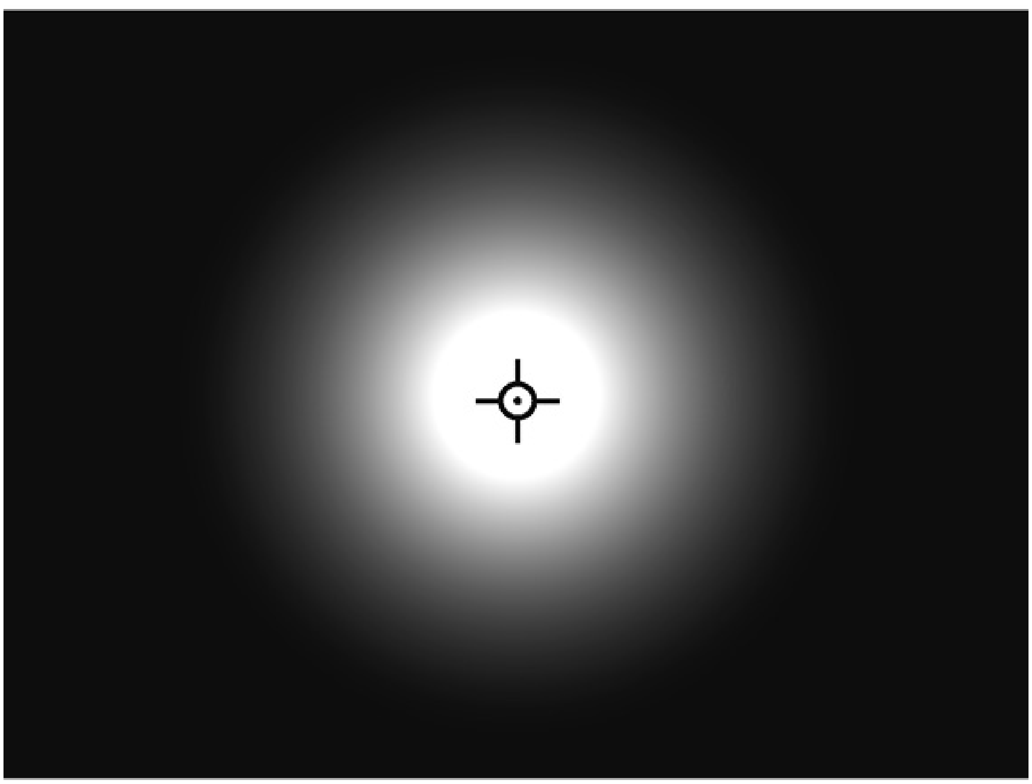


□4.6

2. □□Radial Gradient□□□□□□□□□  □□□□OK□□□□□4.7□□4.8□□□



□4.7



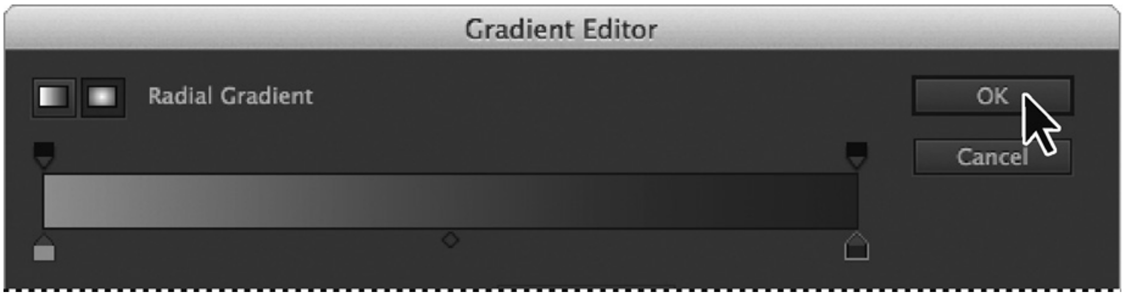
□4.8

3. □□Fill Color□□Fill□□□□□□Gradient Editor□□

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5. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□R=10□G=25□B=150□□

6. □□OK□□□□□□□□□□□□4.9□□□



□4.9

4.2.4 □□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □Timeline□□□□□□Shape Layer 1 > Contents□□□□> Rectangle 1 > Gradient Fill 1□

2. □Start Point□□□□□□□□□0□225□□□End Point□□□□□□□□□0□740□□□□4.10□□4.11□□□

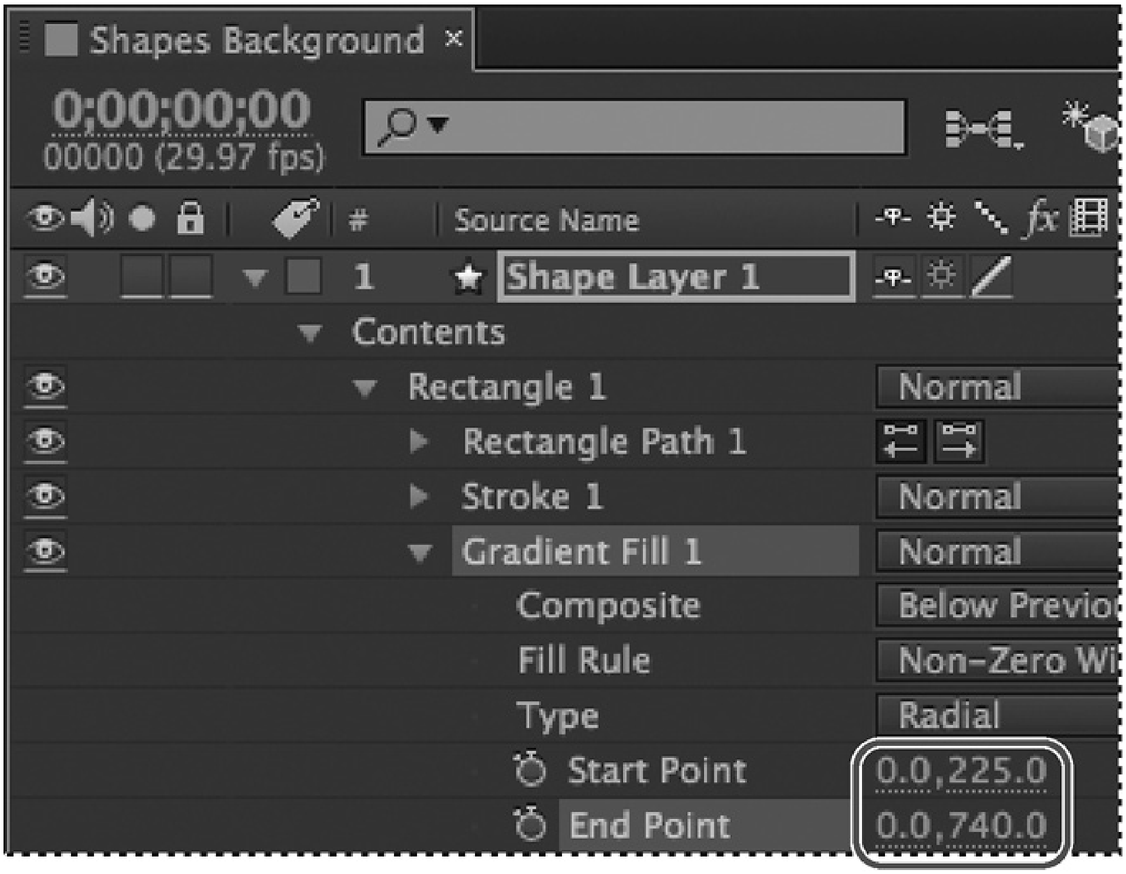

Shapes Background
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00000 (29.97 fps)
Source Name
1
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Contents
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Rectangle Path 1
Stroke 1
Normal
Gradient Fill 1
Normal
Composite
Below Previo
Fill Rule
Non-Zero Wi
Type
Radial
Start Point
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End Point
0.0,740.0

图4.10

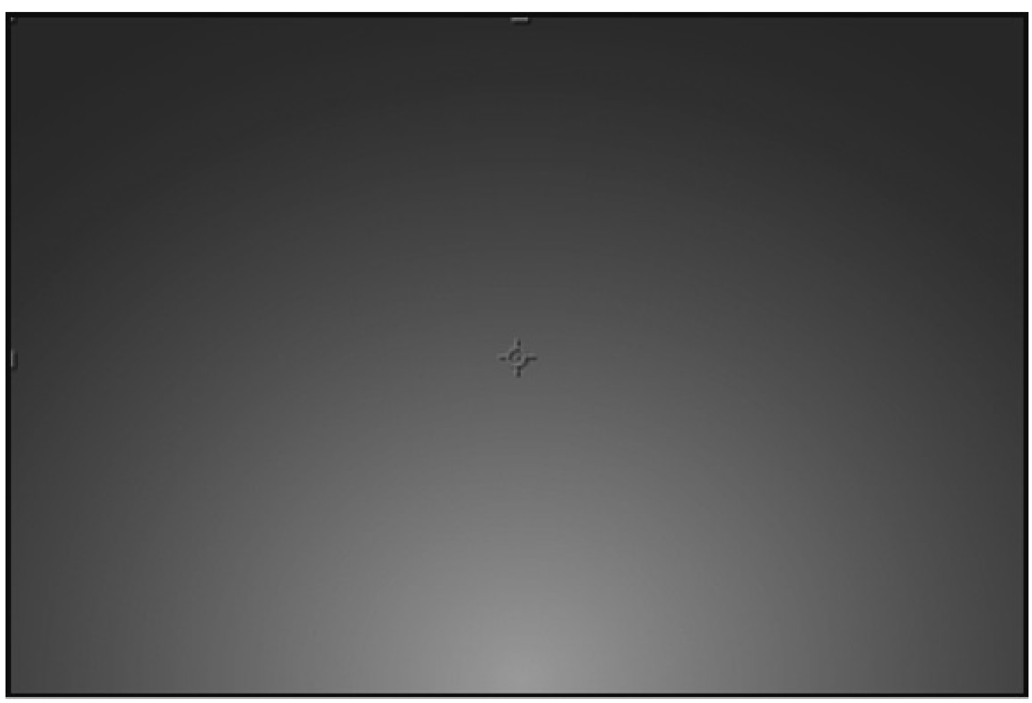


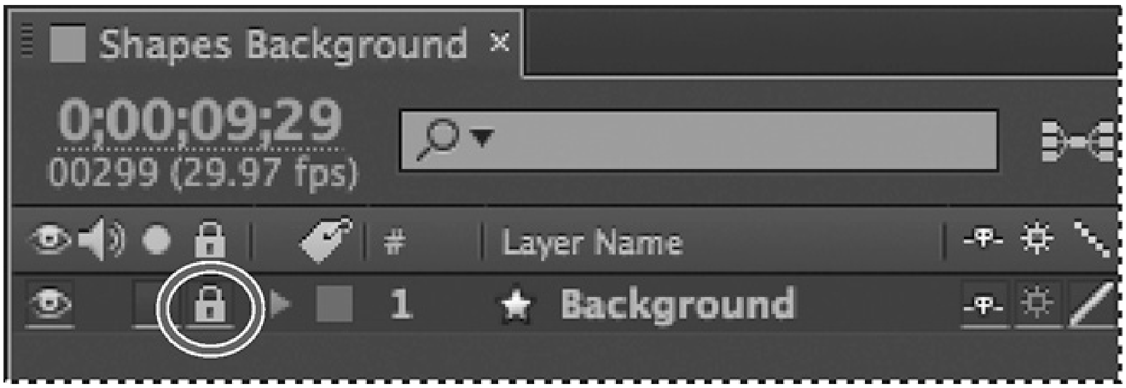
图4.11

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3. □□□□Shape Layer 1□□□

4. □□□□□□□Shape Layer 1□□□Enter□□Return□□□□□□Background□□Enter□□Return□□□□□□□□

5. □□Background□□□Lock□ □□□□□□□□□□□□□□□□□□□□4.12□□□



□4.12

4.3 □□□□□

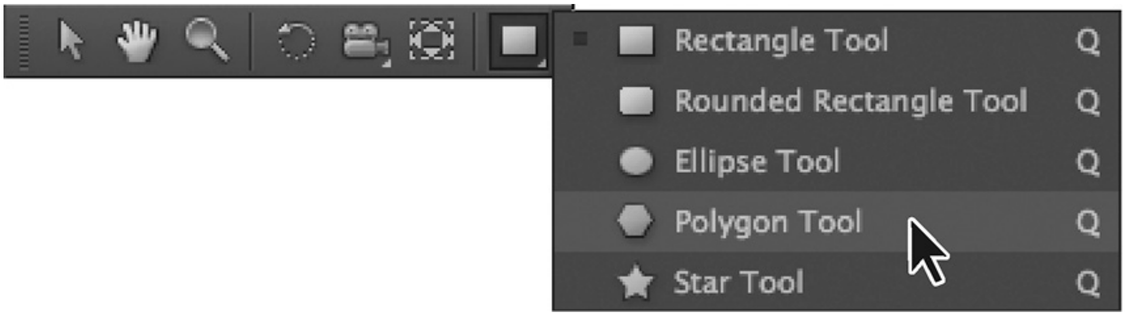
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4.3.1 □□□□□

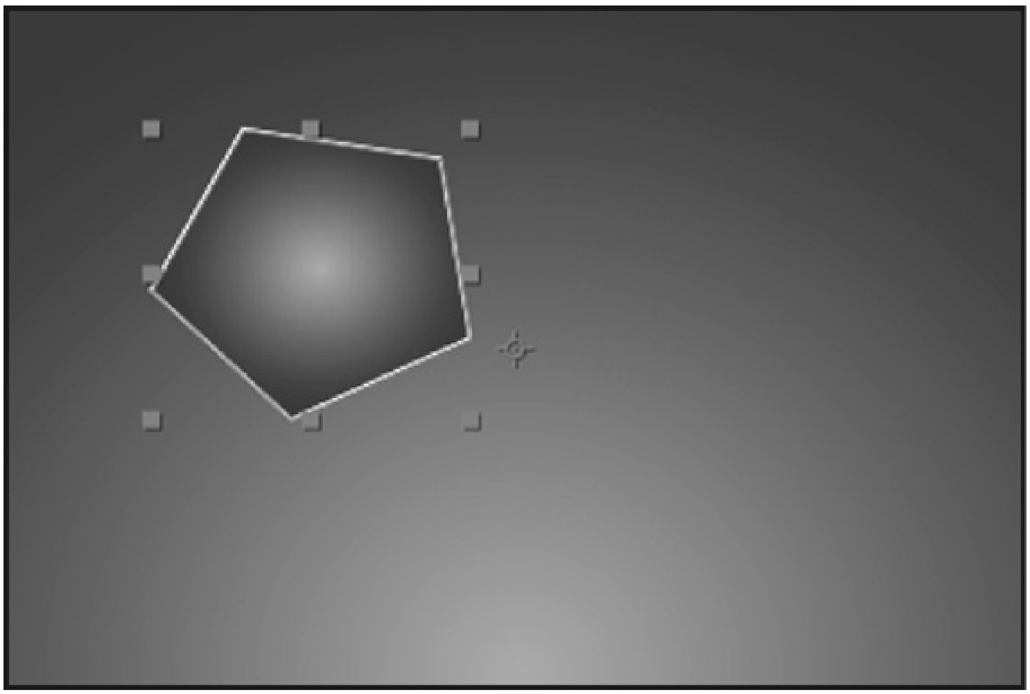
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2. □Composition□□□□□□□□□□□□4.13□□4.14□□□



□4.13



□4.14

□□:

□□□□□□□□□□□□□Composition□□□□□□□□□□□□□

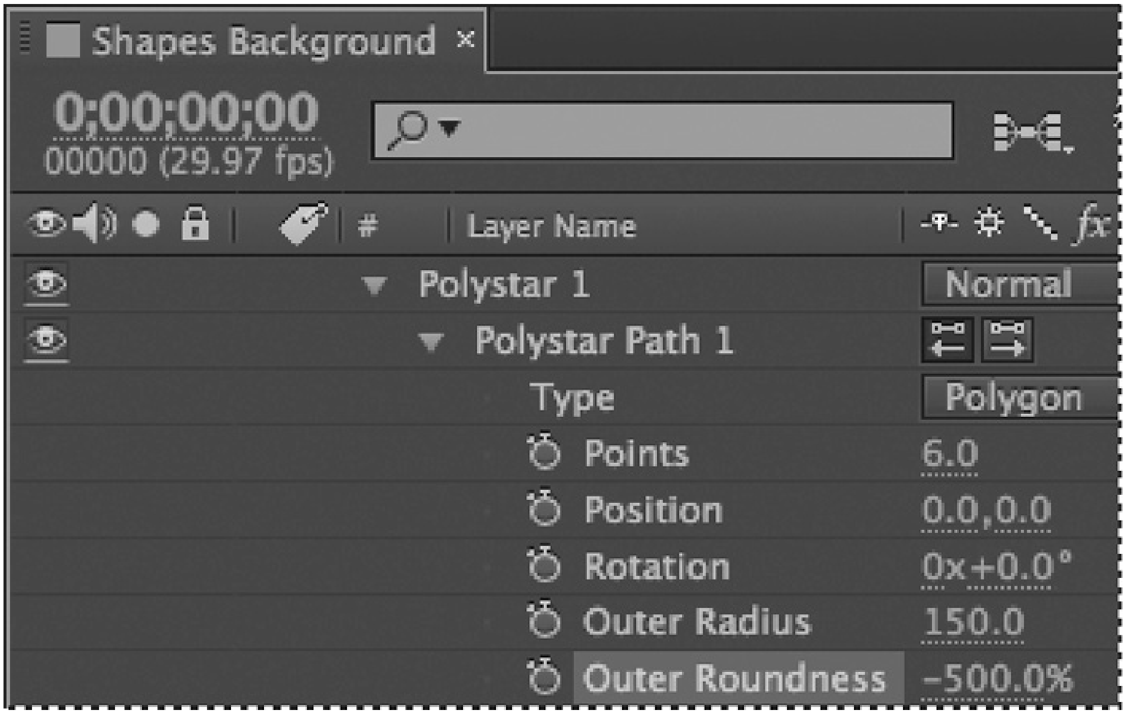
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4. □Points□□□□□□□□6□Rotation□□□0□□Outer Radius□□□□□□□150□

5. □Outer Roundness□□□–500%□□□4.15□□4.16□□□

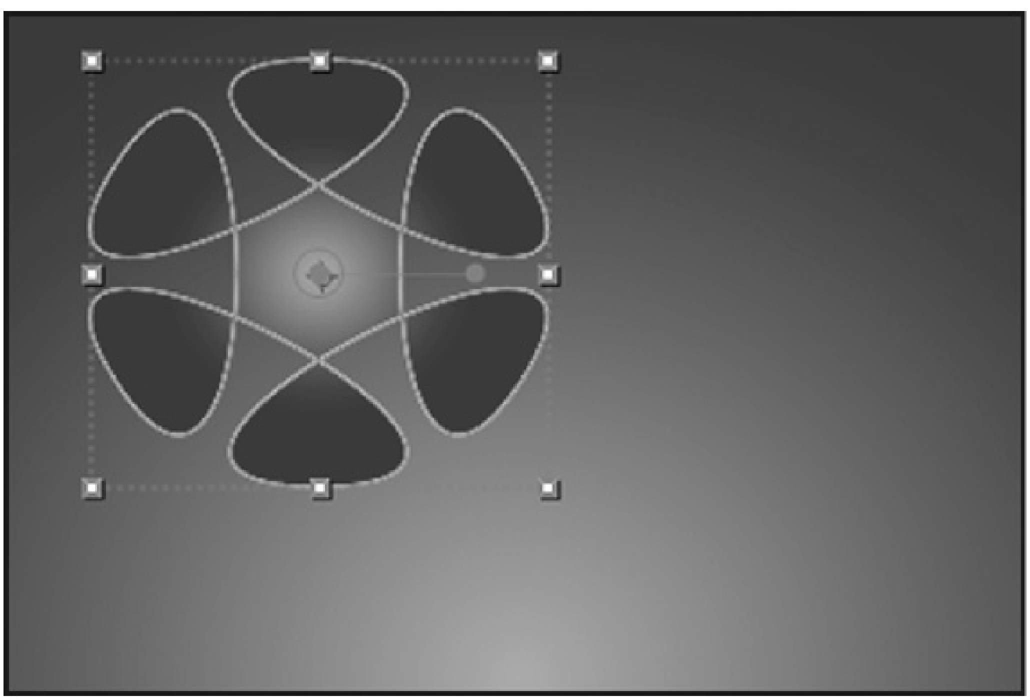
□□:

□□□□□□□□□□0□□□100%□□□□□□□□□□□□□□□



Shapes Background
0;00;00;00
00000 (29.97 fps)
Layer Name
Polystar 1
Normal
Polystar Path 1
Type
Polygon
Points
6.0
Position
0.0,0.0
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150.0
Outer Roundness
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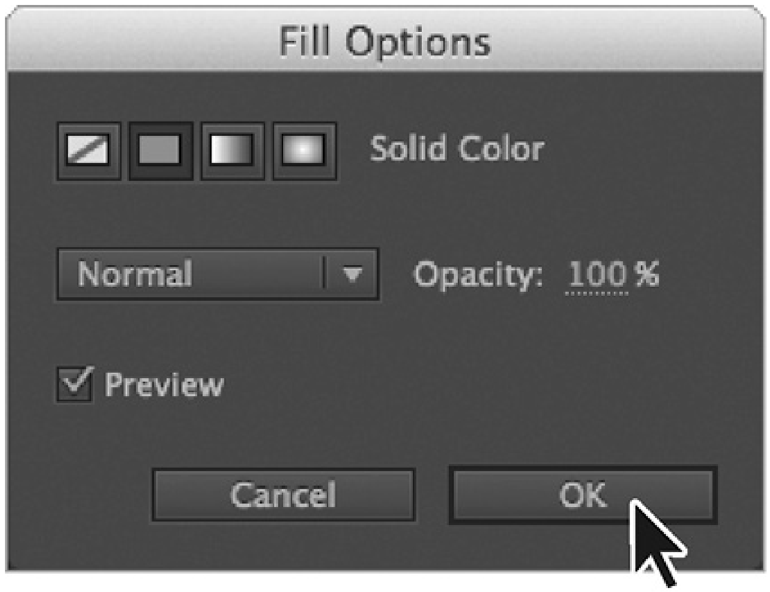
□4.15



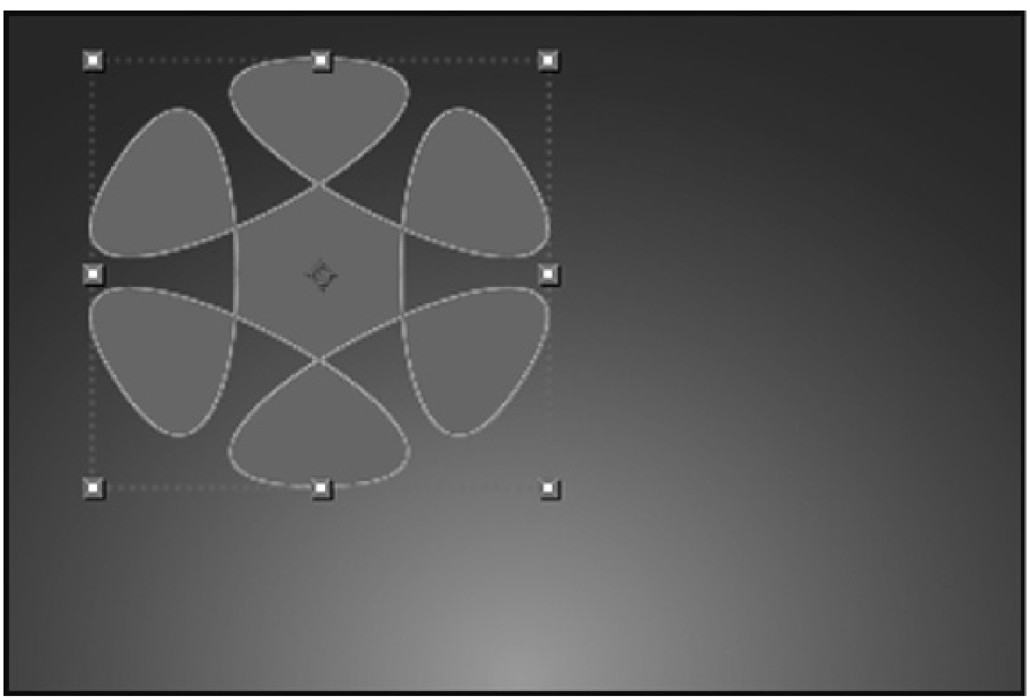
□4.16

6. □□Polystar Path 1□□□

7. □Tools□□□□□□□*fill* □□□Fill Options□□□□□□□□□□□□Solid Color□□□□□□□  □□□□□□OK□□□□□4.17□□4.18□□□



□4.17



□4.18

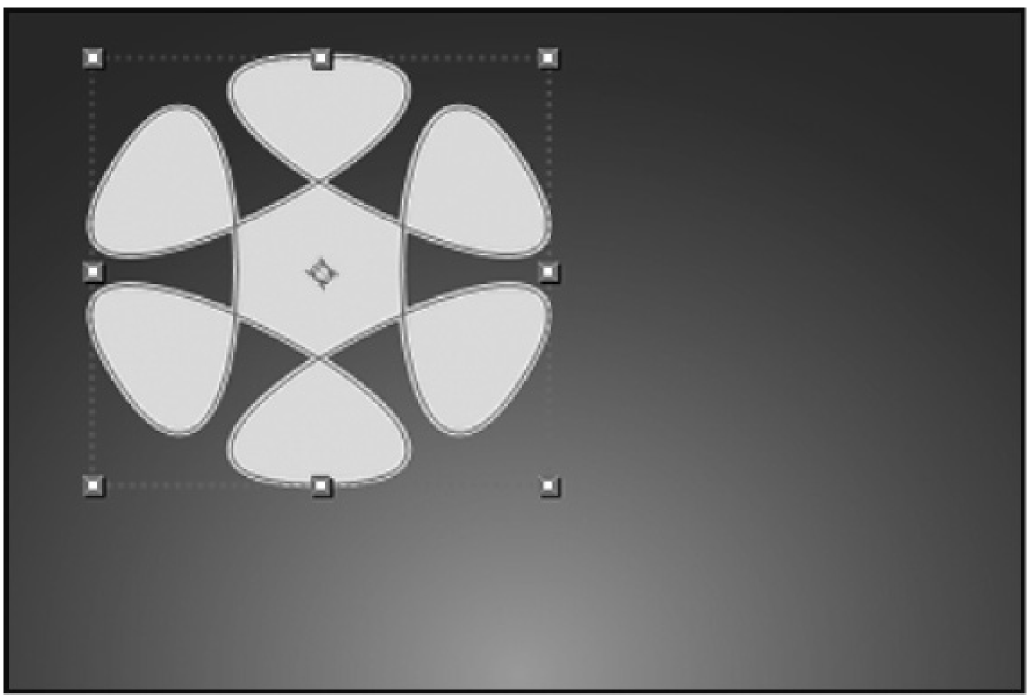
8. □□Fill Color□□□□□□□□□□□□R=250□G=250□B=0□□□□□□OK□□□

9. □□Stroke Color□□□□□□□□□□□□□□□□□R=230□G=230□B=230□□□□□□OK□□□

10. □Tools□□□□Stroke Width□□□□□□□□□5□□□□□□□□□□□□4.19□□4.20□□□



□4.19

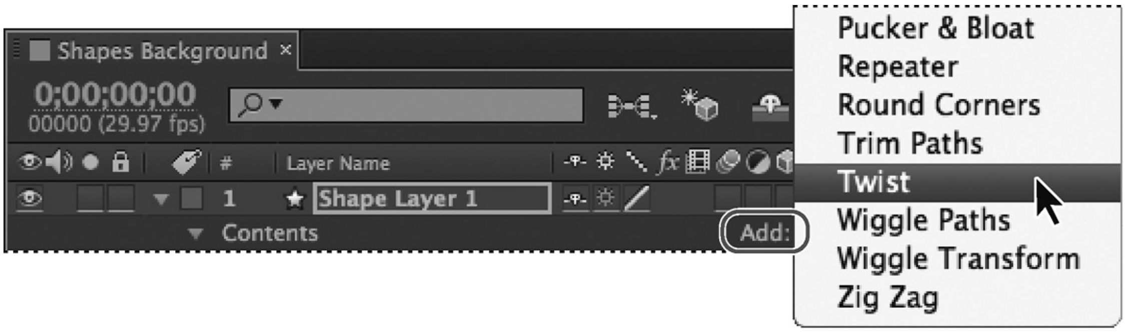


□4.20

4.3.2 □□□□

Twist□□Twist□□□□□□□□□□□□□□□□□□□

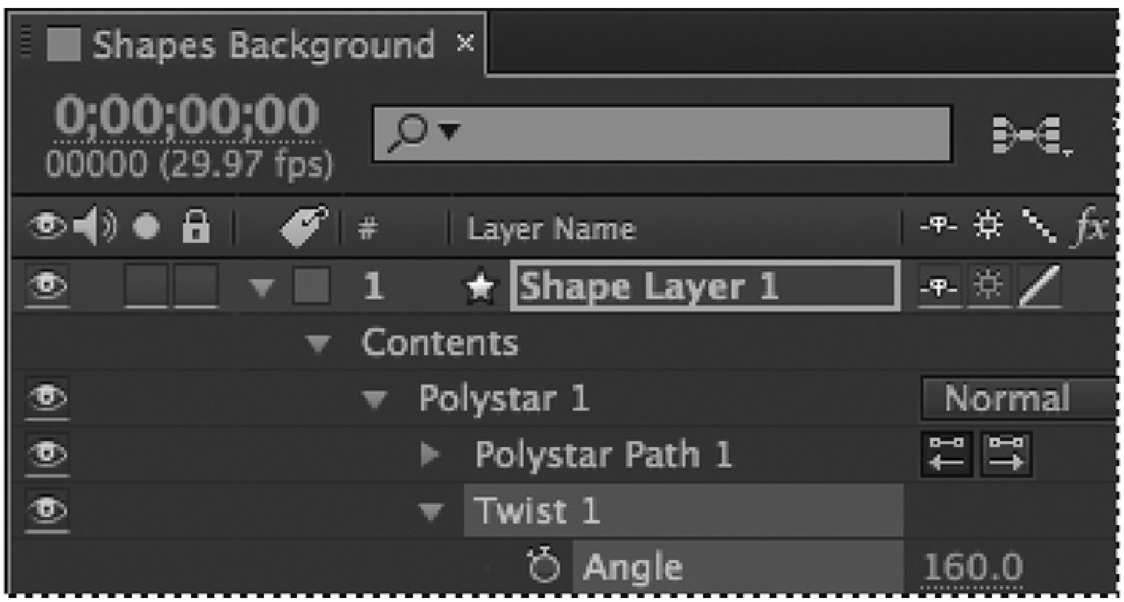
1. □Timeline□□□□□□Shape Layer 1□□Contents□□Add□□□□□□□□□□□□□Twist□□□4.21□□□



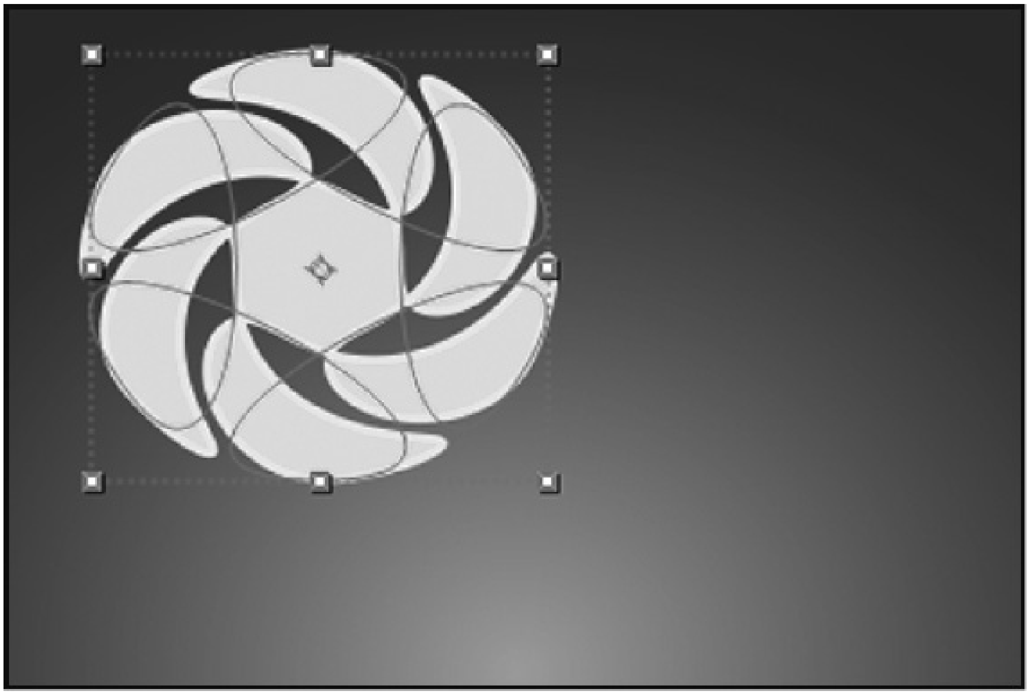
□4.21

2. □□Expand Twist 1□

3. □Angle□□□□□□□□160□□□4.22□□4.23□□□



□4.22



□4.23

4. □□Polystar 1□□□

5. □□File>Save□□□□□□□□□□

4.3.3 □□□□

□□
□□Repeater□□□□□□□□□□□□□□□

1. □□Shape Layer 1□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Repeater□□□

2. □□Add□□□□□□□□□Repeater□

3. □□Repeater 1□

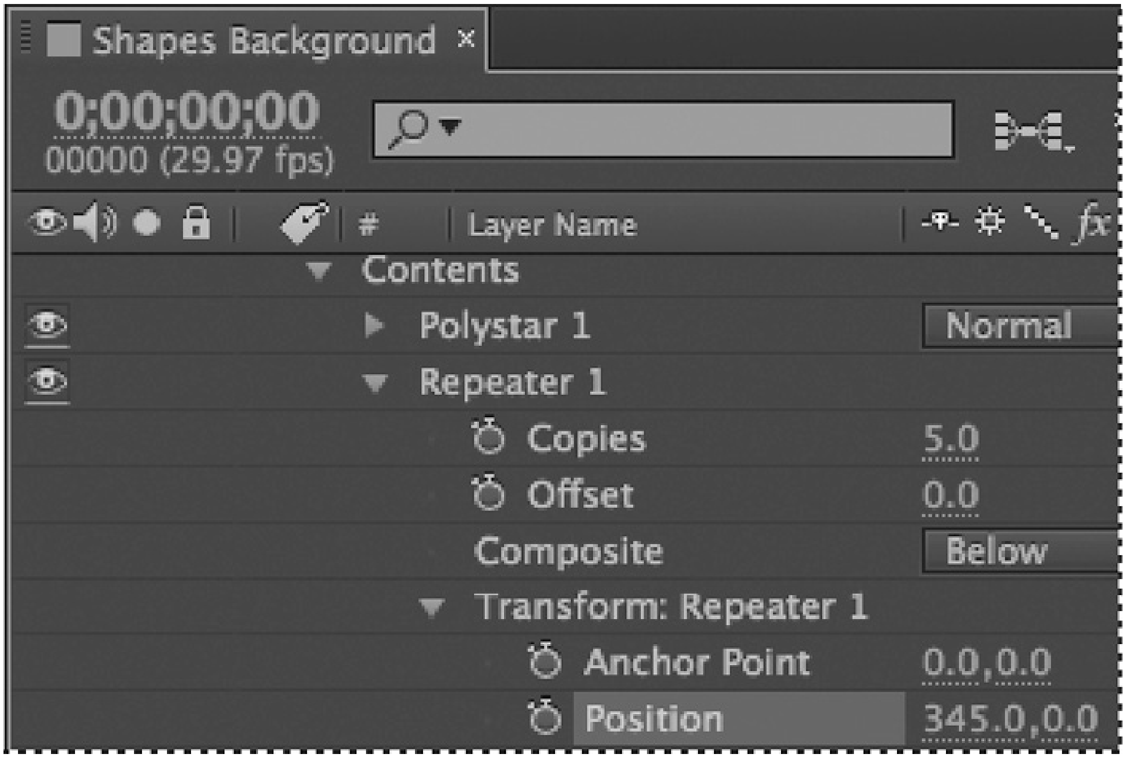
4. □□□□□□□5□

Repeater□□□□□□□4□□□□□□□□□□□□□□□□□□□□□□□

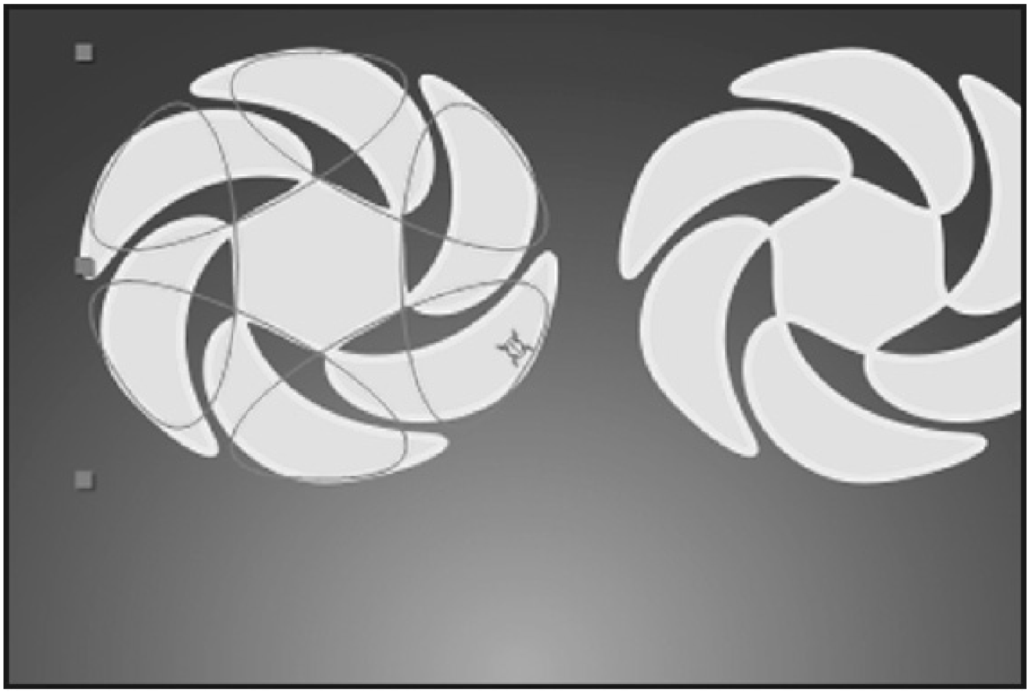
5. □□Transform□Repeater 1□

□□□　□Timeline□□□□□□□□□Transform□□□□□□□□□□□□□□□□□□□□□□□□□□Transform□□□□□□□
□□□□□□□Repeater□

6. □Position□□□□□□345□0□□□□□□□□□□x □□□□□□□□□□□□□□□□□□□□
□□□□x □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□4.24□□4.25□□□



□4.24

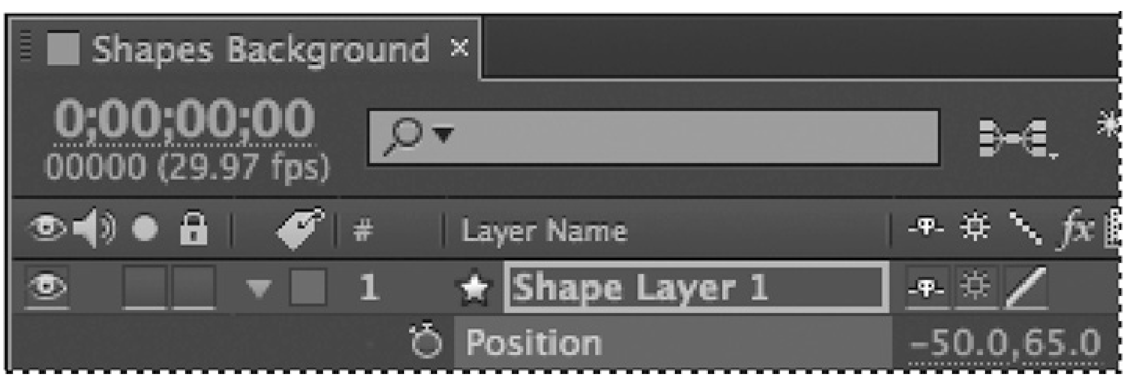


□4.25

□□

7. □□Transform□Repeater 1□□□

8. □□Shape Layer 1□□□□P□□□□□□Position□□□□Position□□□□(−50□65□□□□4.26□□4.27□□□



□4.26



图4.27

□□

9. □□Shape Layer 1□□□□S□□□□□□Scale□□□□□□□□Scale□□□□□□50%□□□4.28□□4.29□□□

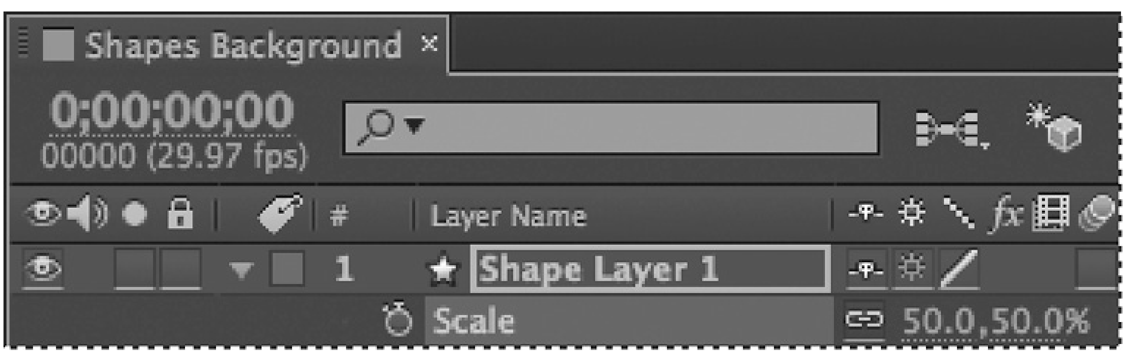


图4.28



□4.29

□□□

□□Scale□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

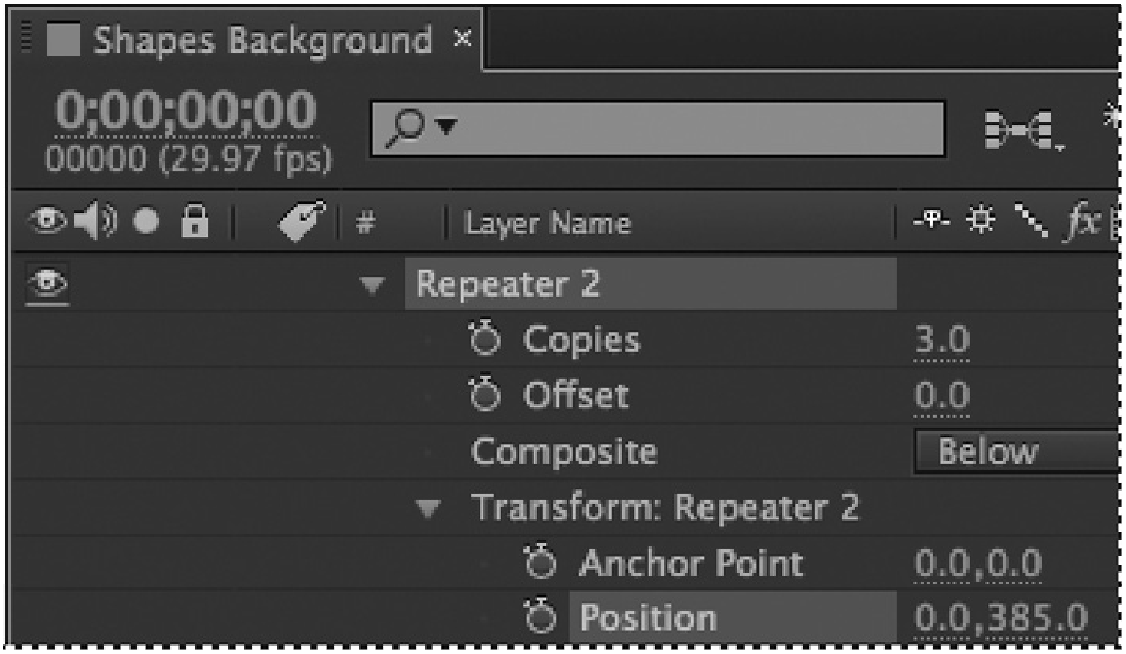
10. □S□□□□□□Scale□□□

11. □□Shape Layer 1>Contents□

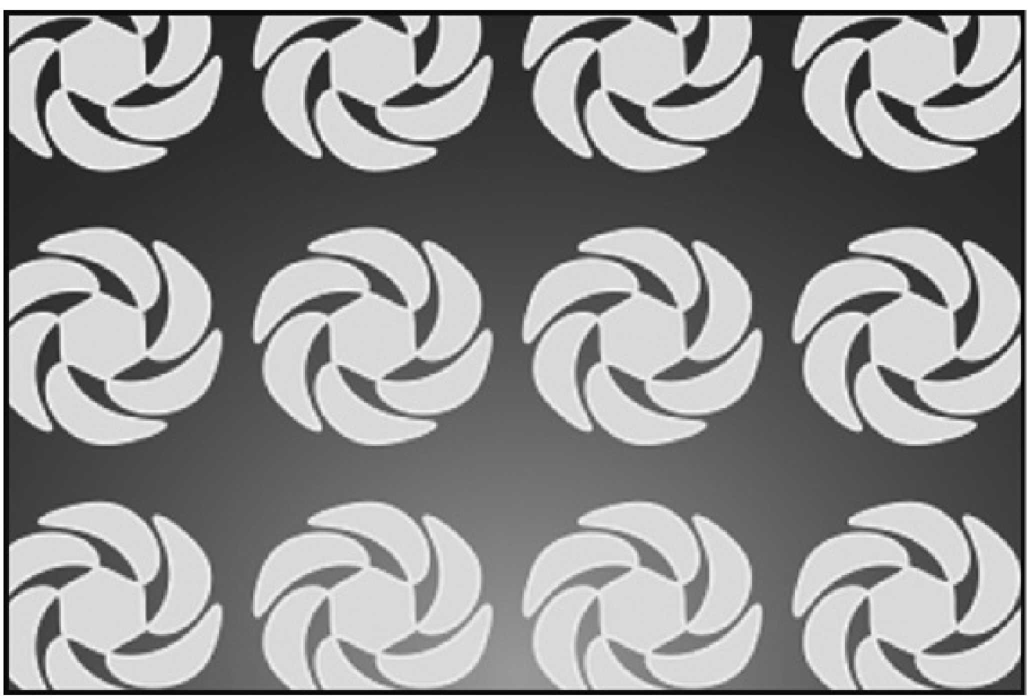
12. □□Shape Layer 1□□□Add□□□□□□□□□□□□□Repeater□

13. □□Repeater 2 >Transform□Repeater 2□

14. □Position□□□□□□□0□385□□□□□□□□□□□□□□□□□□4.30□□4.31□□□



□4.30



□4.31

15. □□Repeater 2□□□

4.3.4 □□□□

□□□□□□□□□□□□□□□□□□□□Rotation□□□□□□□□□□□□□□□□□□□□□□□□□□
□□

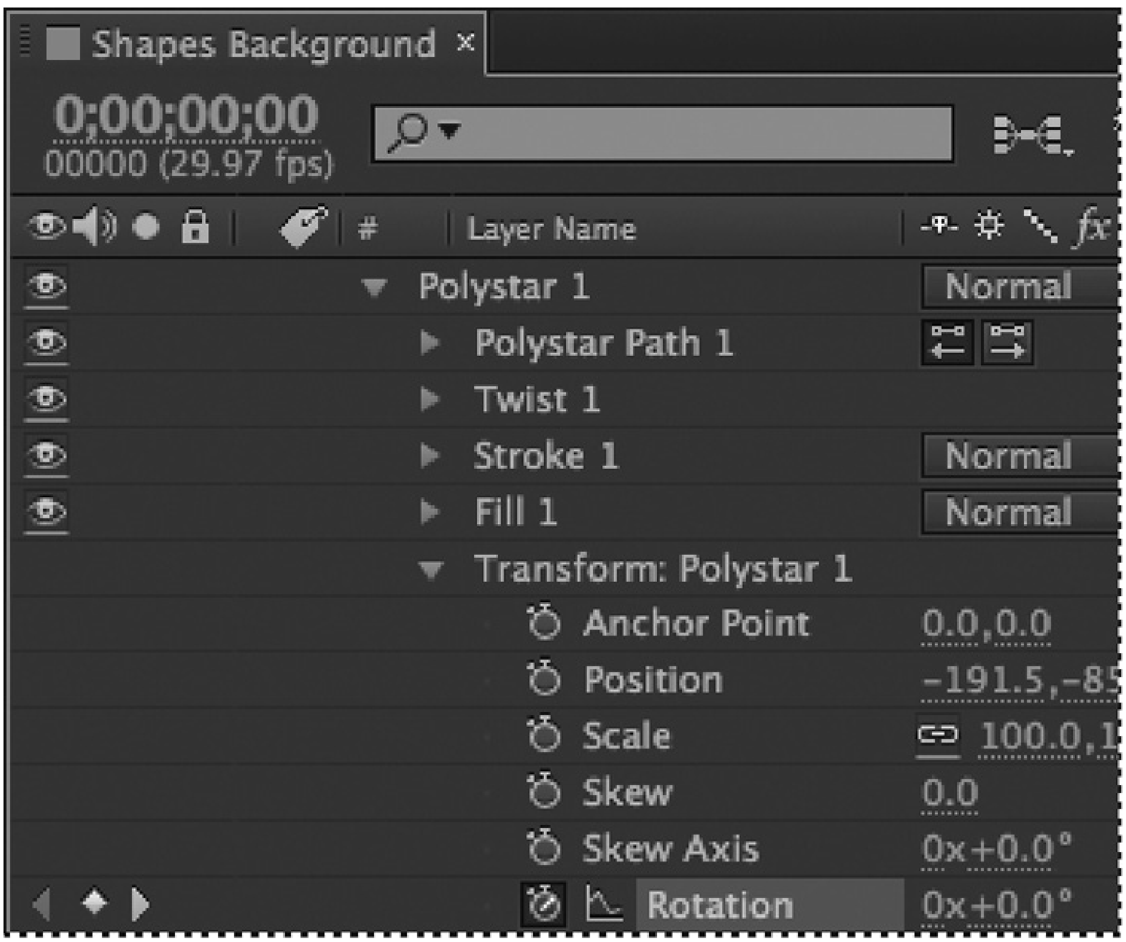
1. □Timeline□□□□□□Shape Layer 1 > Contents > Polystar 1 > Transform□Polystar 1□

2. □Home□□□□□□□□□□□□□□□□□□□□□□

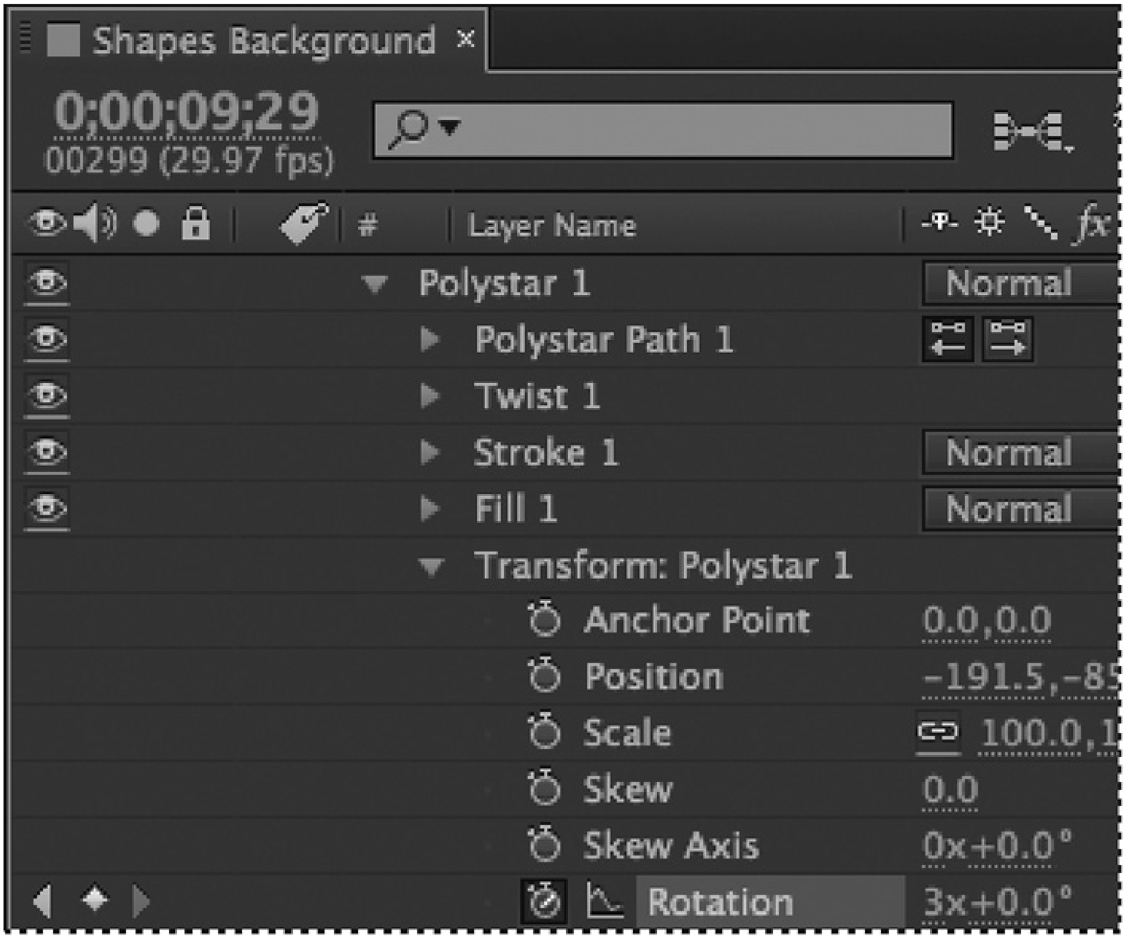
3. □□Rotation□□□□□□□□□□□□□ □□□□□□□□□□□□□□

4. □End□□□□□□□□□□□□□□□□□□□□□□

5. □Rotation□□□□□□3x +0□□□□□□□□□10□□□□3□□□□4.32□□4.33□
□□



□4.32



□4.33

6. □□Shape Layer 1□□□□

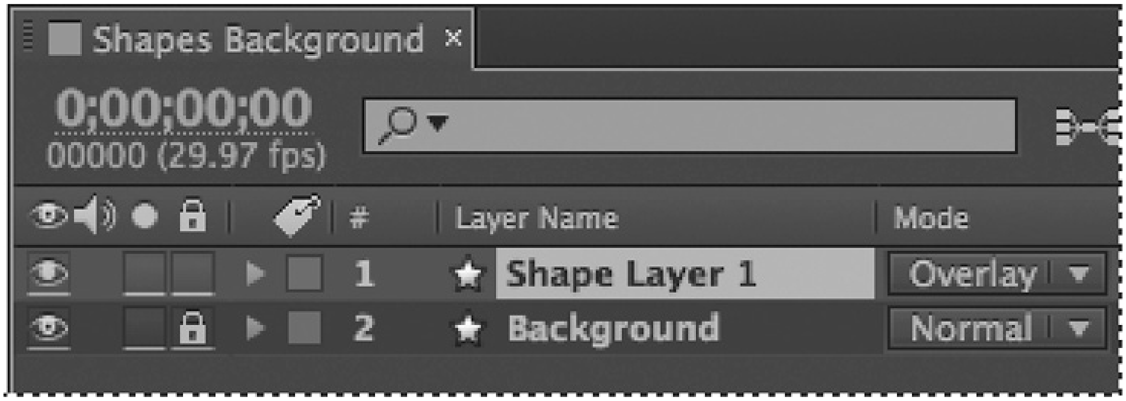
7. □□□□□□□□□□□□□□□□□□□□

4.3.5 □□□□□□□□

□□
□□□□□□□□□□□□□□□□□□□

1. □□Timeline□□□□□Toggle Switches/Modes□□□/□□□□□

2. □Shape Layer 1□□□Mode□□□□□□□□□□Overlay□□□□□□4.34□□
4.35□□□



□4.34



□4.35

3. □□Shape Layer 1□□□□T□□□□□□□□Opacity□□□

4. □Opacity□□□□□□25%□

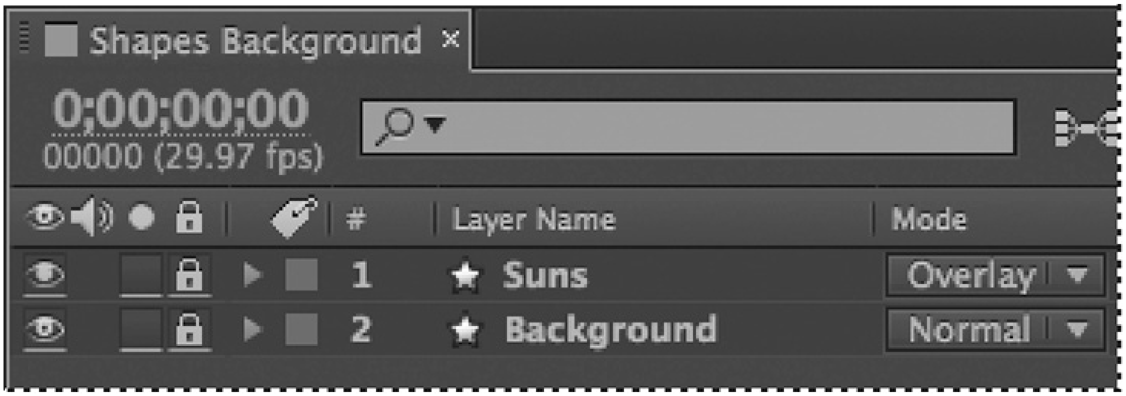
□□□

□□

5. □T□□□Opacity□□□

6. □□Shape Layer 1□□Enter□□Return□□□□□□□□Suns□□□□Enter□□Return□□

7. □□□□□□□□□□□□□□□4.36□□4.37□□□



□4.36



□4.37

4.4 □□□□□□

Star□□□□□□□Polygon□□□□□Polygon□□□□□□□□Inner Radius□Inner Roundness□□□Star□□□□□□□□□□□□□□□□□□□□□□□□□□□□Star□□□□□□□□□□□□□□□Pucker & Bloat□□□&□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

4.4.1

StarCompositionStar

1. StarPolygon

2.

- Fill ColorR=75G=120B=200OK
- StrokeStroke OptionsNoneOK

3. After EffectsTimelineShape Layer 1

4. TimelineShape Layer 1 > Polystar 1 > Polystar Path 1

5. Points6Rotation150°

6. Inner Radius50Outer Radius904.384.39

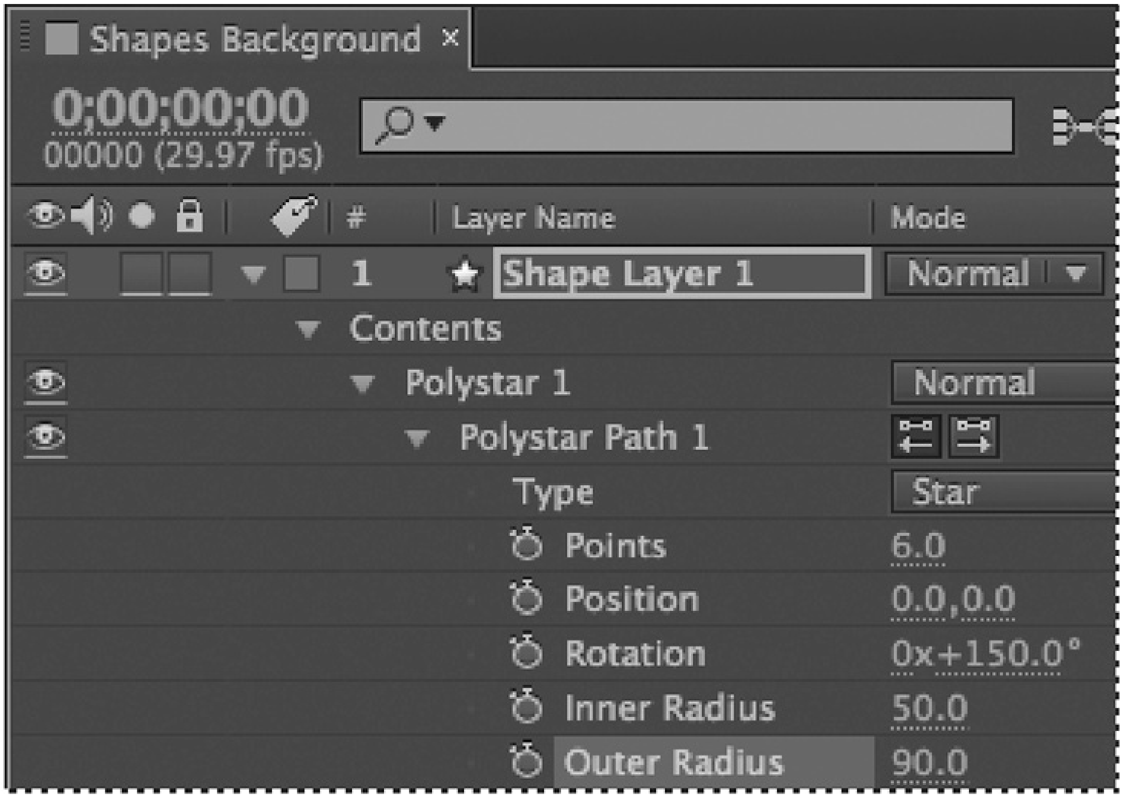

Shapes Background
0;00;00;00
00000 (29.97 fps)
#
Layer Name
Mode
1
Shape Layer 1
Normal
Contents
Polystar 1
Normal
Polystar Path 1
Type
Star
Points
6.0
Position
0.0,0.0
Rotation
0x+150.0°
Inner Radius
50.0
Outer Radius
90.0

图4.38

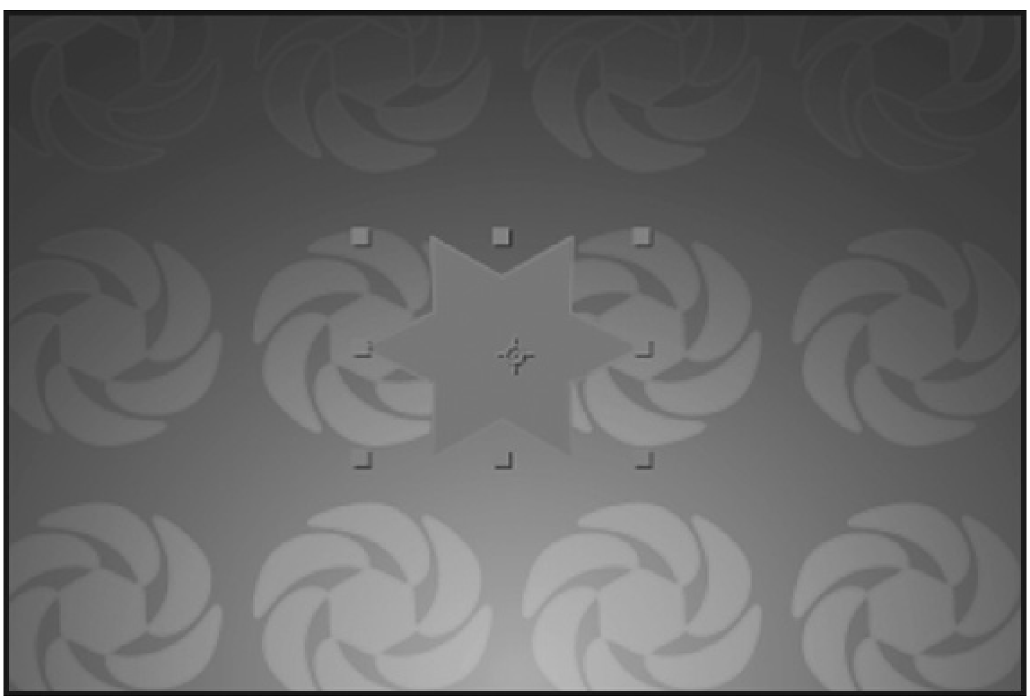


图4.39

> □□□□□□□□□□□□□□□□□Timeline□□□Suns□Background□□□Video□□□□□□□□□□□□□□□□□□□□

7. □□Transform□Polystar 1□□□

8. □Position□□□□□□□–180□–70□□

9. □□Polystar 1□□□□□□□□

4.4.2 □□Pucker & Bloat

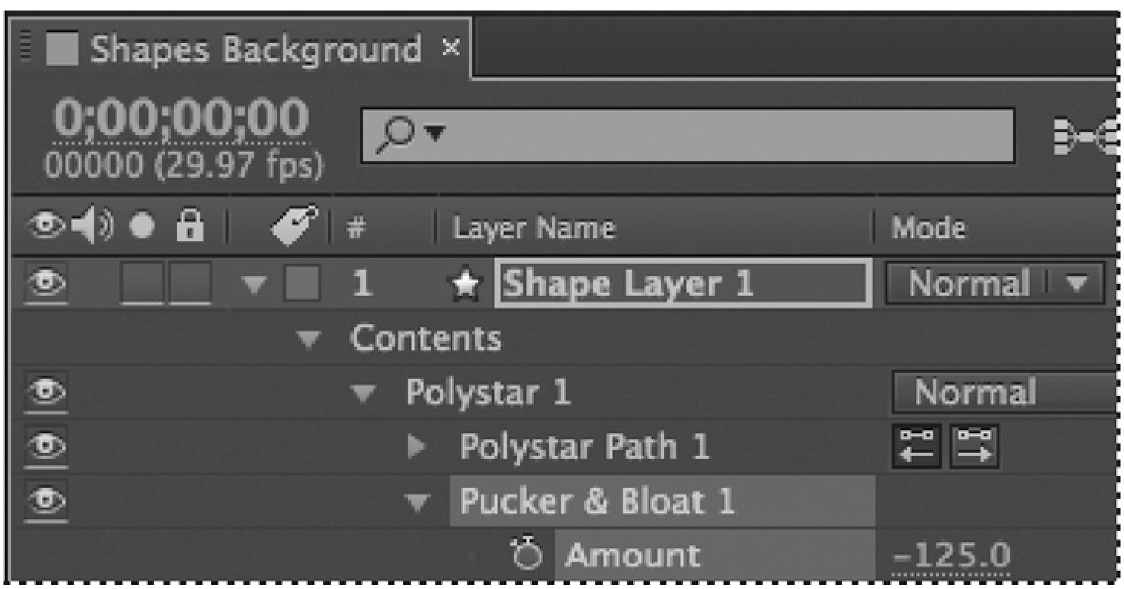
After Effects□□□□□□□□□□□□□□——Pucker & Bloat□□□

1. □□Shape Layer 1□

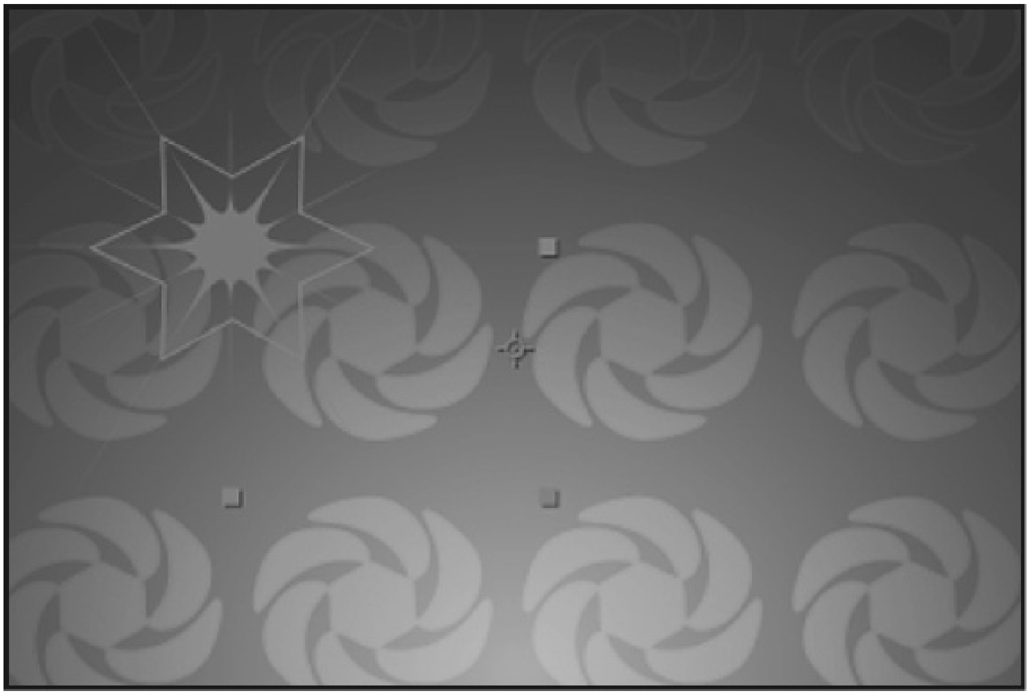
2. □Add□□□□□□□Pucker & Bloat□

3. □□Pucker & Bloat 1□

4. □Amount□□□□□□□−125□□□□□□□□□□□□4.40□□4.41□□□



□4.40



□4.41

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

4.4.3 □□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□Repeater□□□□□□□□□□□Repeater□Transform□□□□□□□□□□□□□

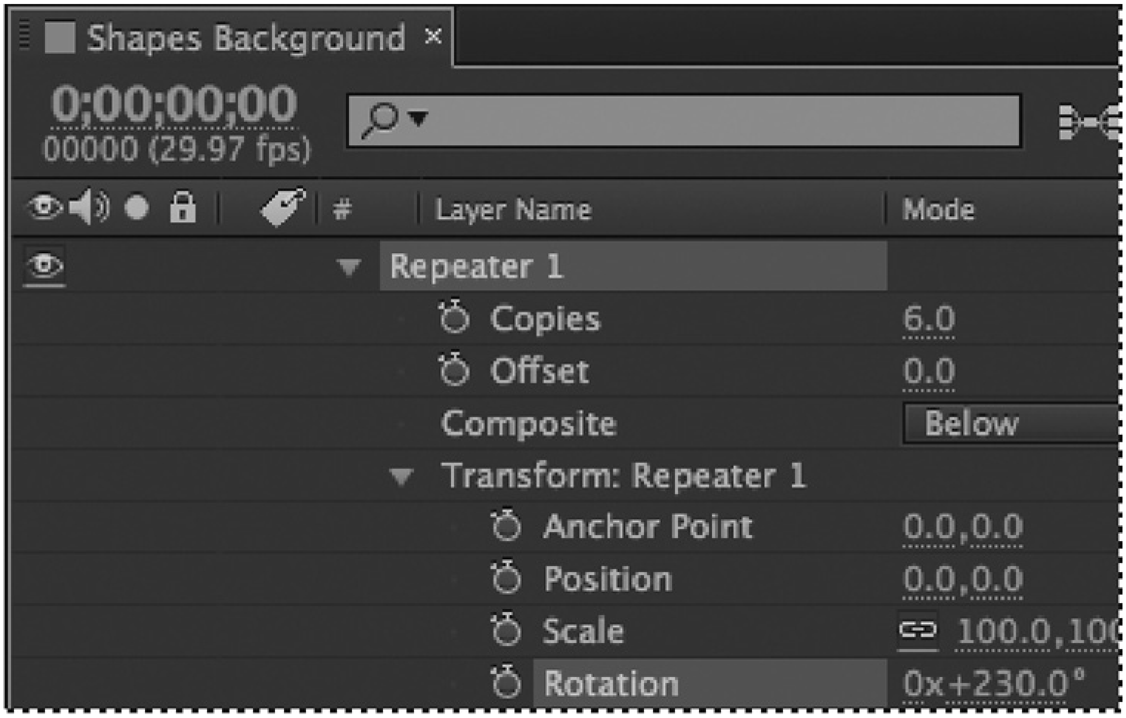
1. □□Shape Layer 1□□□Add□□□□□□□Repeater□

2. □□Repeater 1□□□□□□□□6□

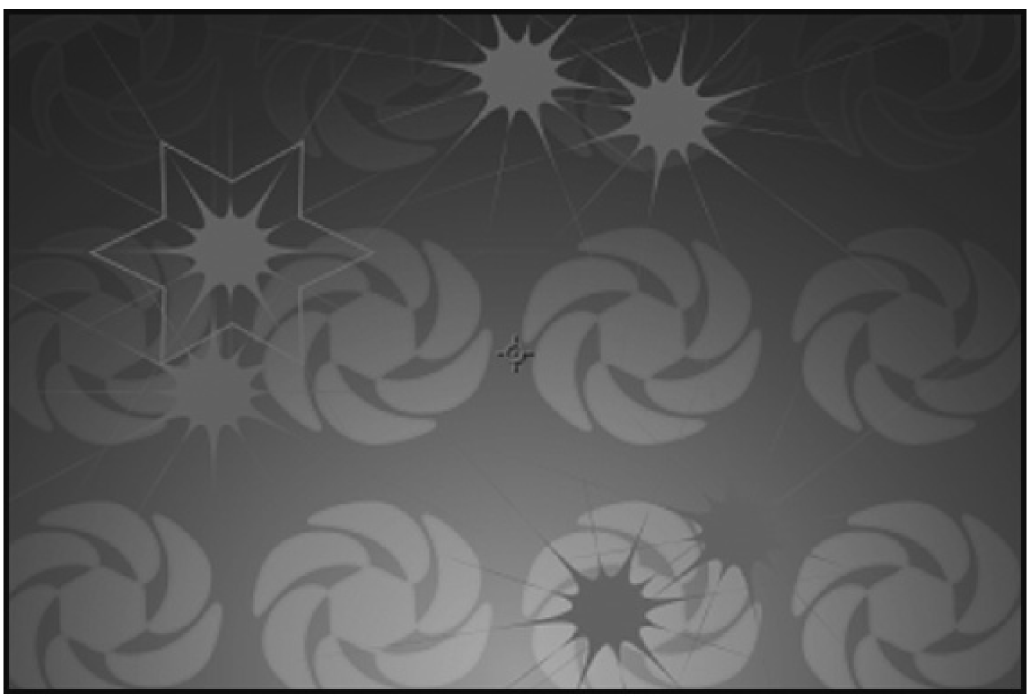
□□□□□□□□6□□□

3. □□Transform□Repeater 1□

4. □Position□□□□□0□0□□□□Rotation□□□230°□□□4.42□□4.43□□□



□4.42



□4.43

□□□□□Repeater□□
□□□□Transform□□□□□□□□□□□□□□□□□□□□□□□□□□□10□□□□□□□□Rotation

□□□□10°□□□□□□□□□□□□□0□□□□□□□□□10°□□□□□□□□20°□□□□□□
Transform□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

5. □End Opacity□□□□□□□□□□□□□65%□□□□□□□□□□□□□□

6. □□Repeater 1□□□

7. □□Shape Layer 1□□□□□□□Add□□□□□□□Repeater□□Shape Layer 1□□□□□□Repeater□

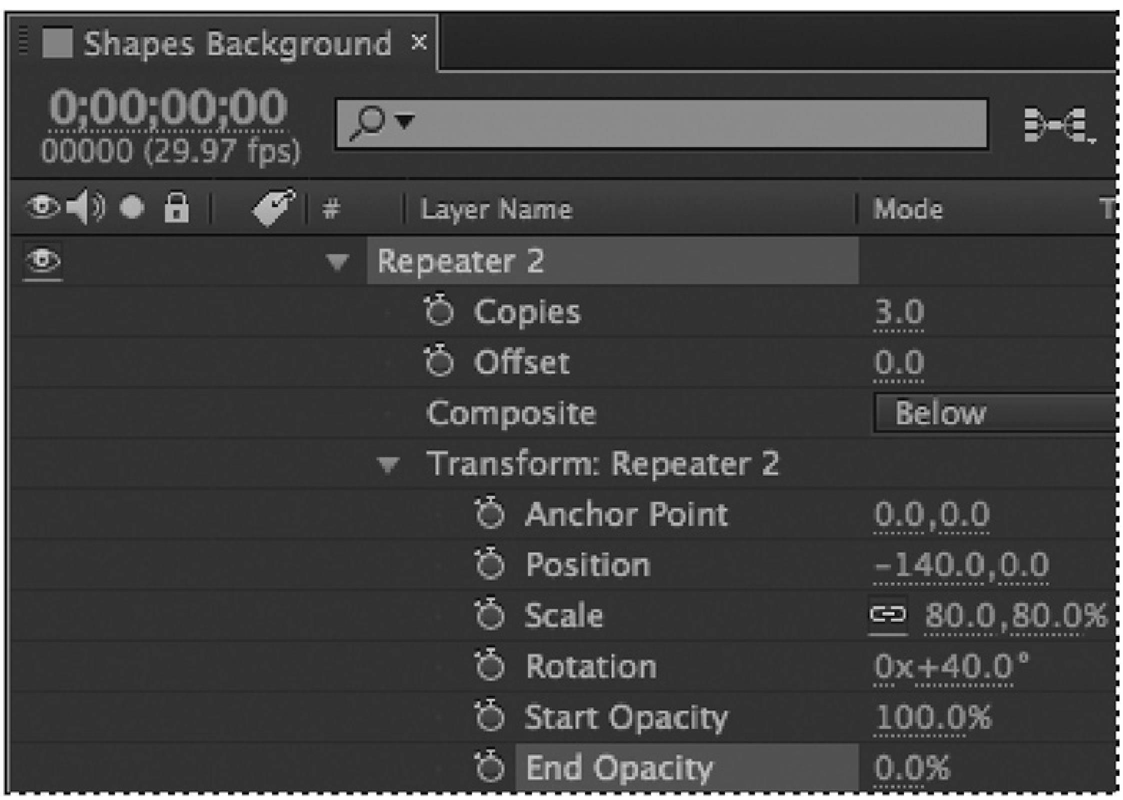
8. □□Repeater 2 > Transform□Repeater 2□

9. □Position□□□□□□□−140□0□□□□□Rotation□□□□□□40°□

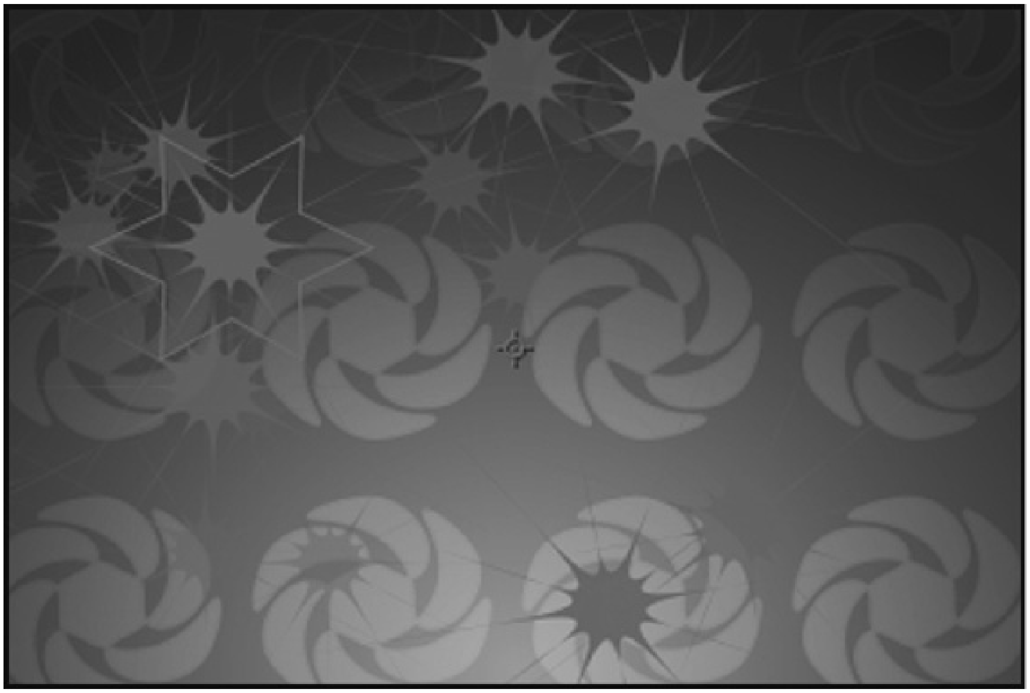
10. □Scale□□□□□□80%□

□□□□□□□□□□□□□□□□□□□□□□□3□□□□□□□□□□□□□□□□□□64%□

11. □End Opacity□□□□□□0%□□□4.44□□4.45□□□



□4.44



□4.45

12. □□Repeater 2□□□□□□□

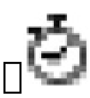
13. □□File > Save□□□

4.4.4 □□□□

□□
□□□□□□□□□□□□□□□□□Rotation□□□□□□□□

1. □□Polystar 1 > Transform□Polystar 1□

2. □Home□□□□□□□□□□□□□□□□□□□□

3. □□Rotation□□□□□□□□□□□  □□□□□□□□□□

4. □End□□□□□□□□□□□□□□□□□□□□

5. □Rotation□□□□□180°□□□4.46□□4.47□□□

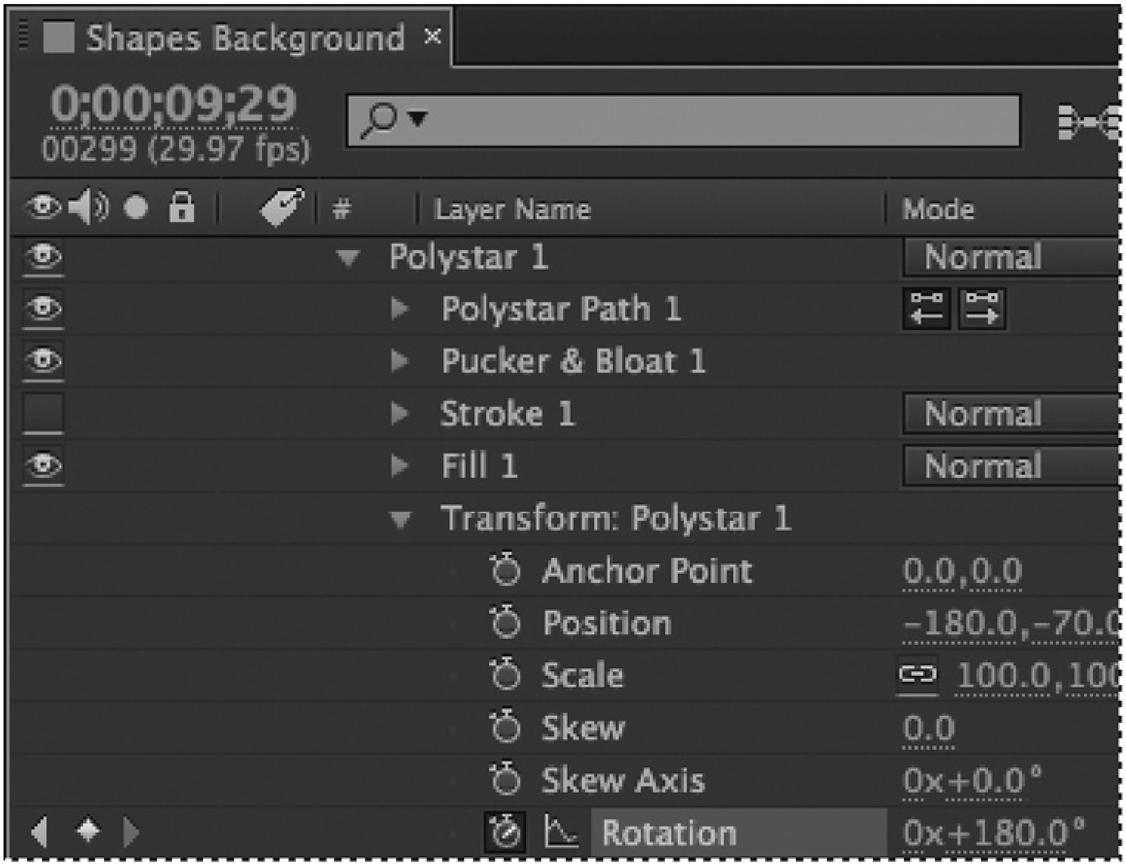

Shapes Background
0;00;09;29
00299 (29.97 fps)
Layer Name
Mode
Polystar 1
Normal
Polystar Path 1
Pucker & Bloat 1
Stroke 1
Normal
Fill 1
Normal
Transform: Polystar 1
Anchor Point
0.0,0.0
Position
-180.0,-70.0
Scale
100.0,100
Skew
0.0
Skew Axis
0x+0.0°
Rotation
0x+180.0°

图4.46

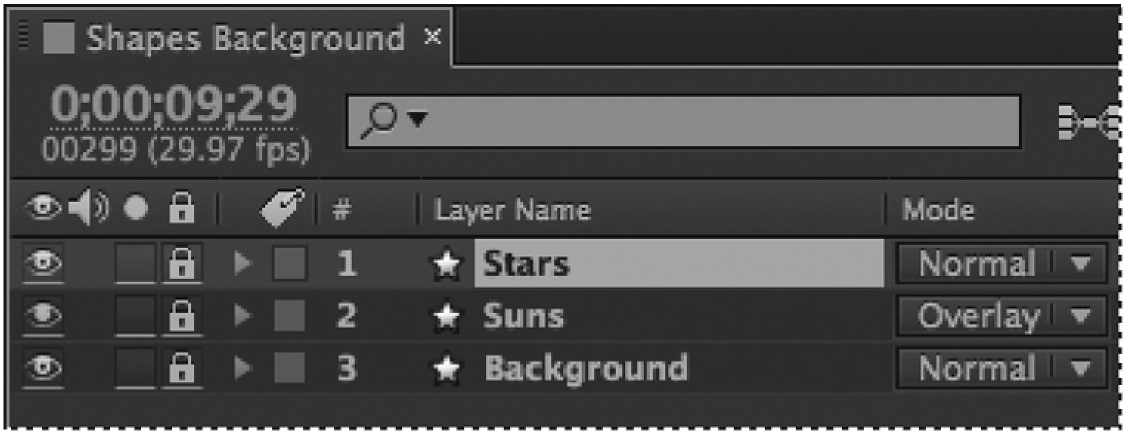


图4.47

6. □□□

7. □Shape Layer 1□□□□□Stars□□□Enter□□Return□□□□□□□□

8. □□Stars□□□□□4.48□□□



□4.48

4.5 □□□□□□□□

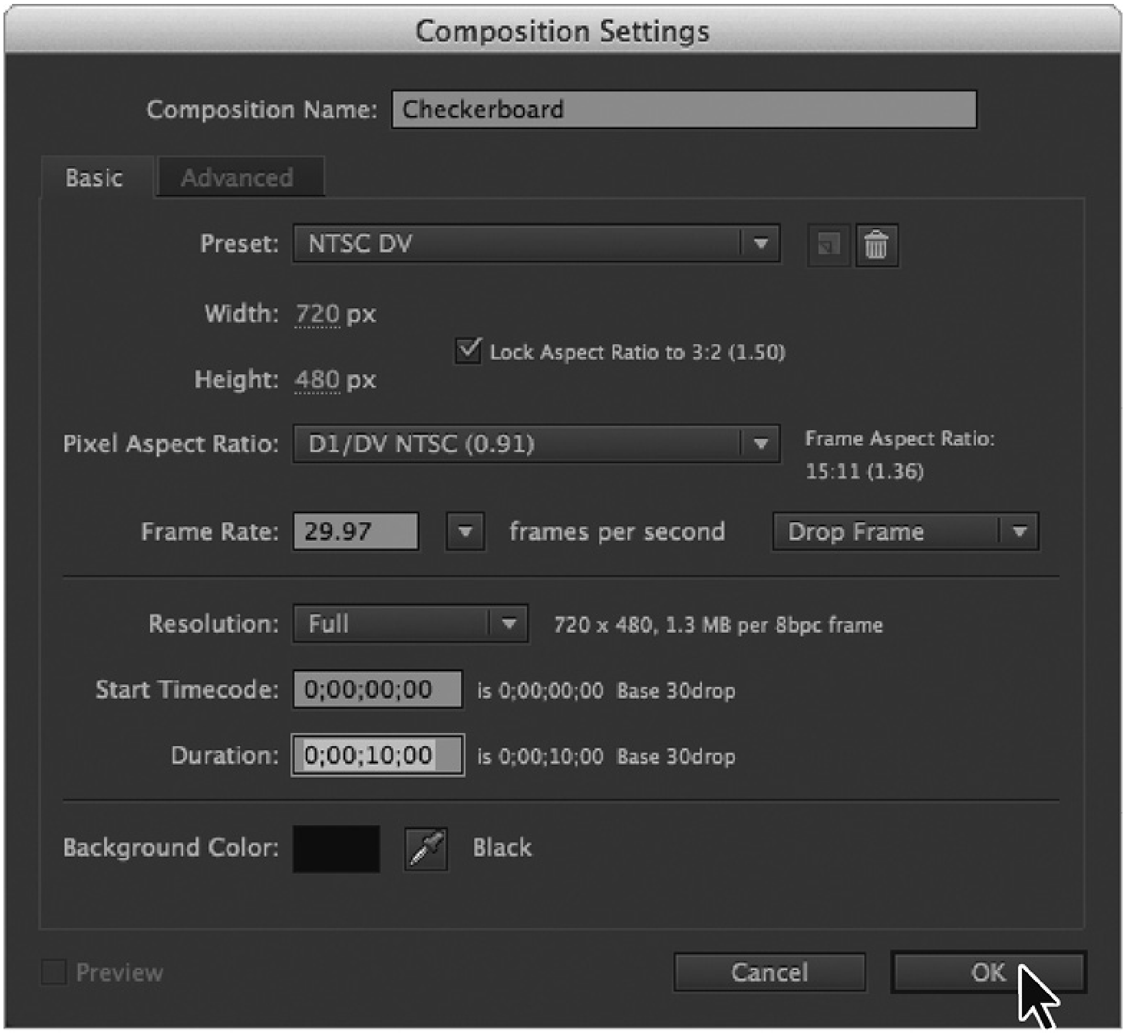
□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

4.5.1 □□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Ctrl+N□Windows□□□Command+N□Mac OS□□□□□□□□□□□□□□

2. □Composition Setting□□□□□□□□□□□□□Checkerboard□□Preset□□□□□NTSCDV□□□□Duration□□10:00□□□□□OK□□□□□4.49□□□

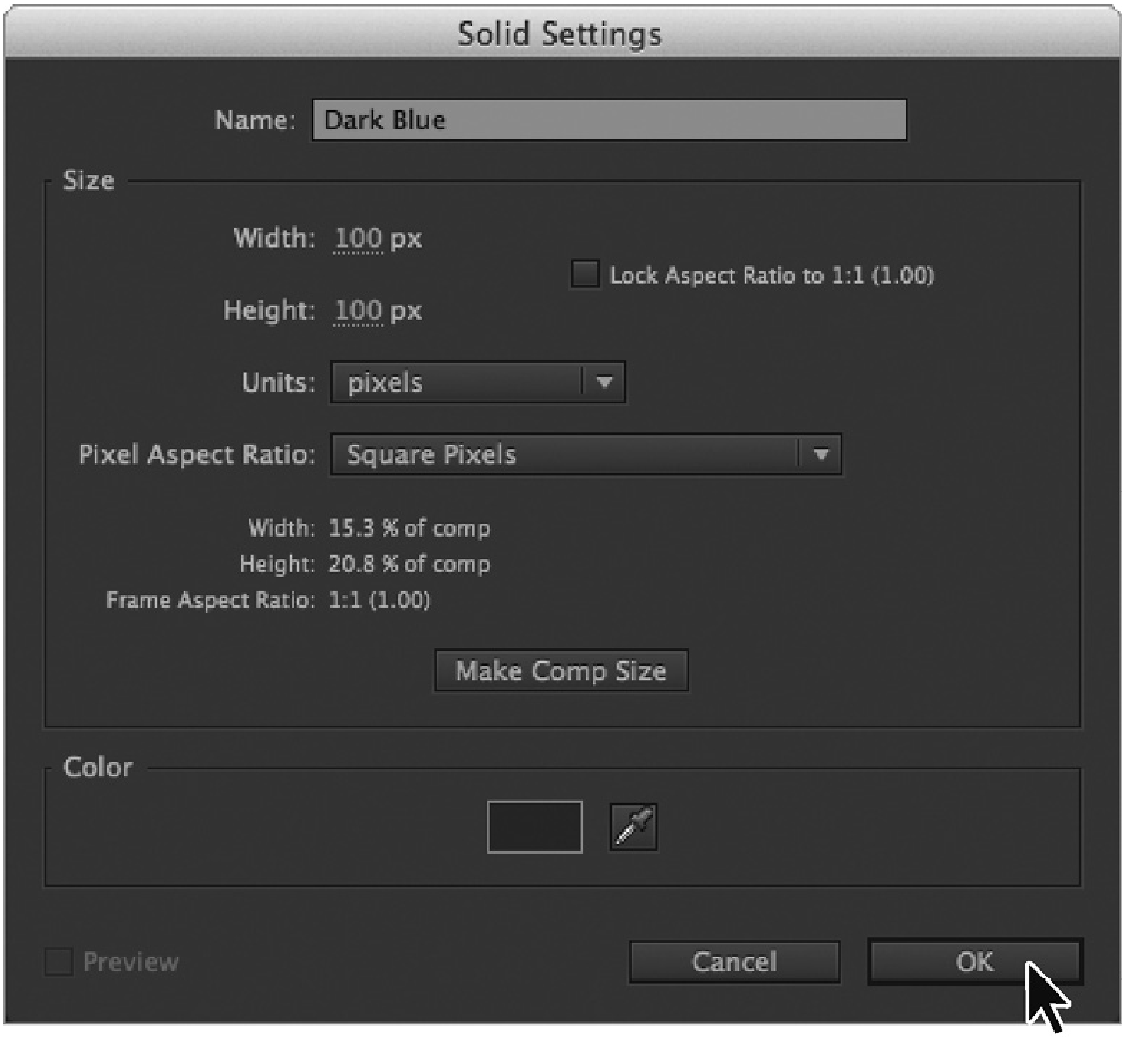


□4.49

After Effects□Timeline□Composition□□□□□Checkerboard□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

3. □□Layter>New>Solid□□□□□□□□□□□□

4. □Solid Setting□□□□□□□□□□□□□□□□OK□□□□□4.50□□□

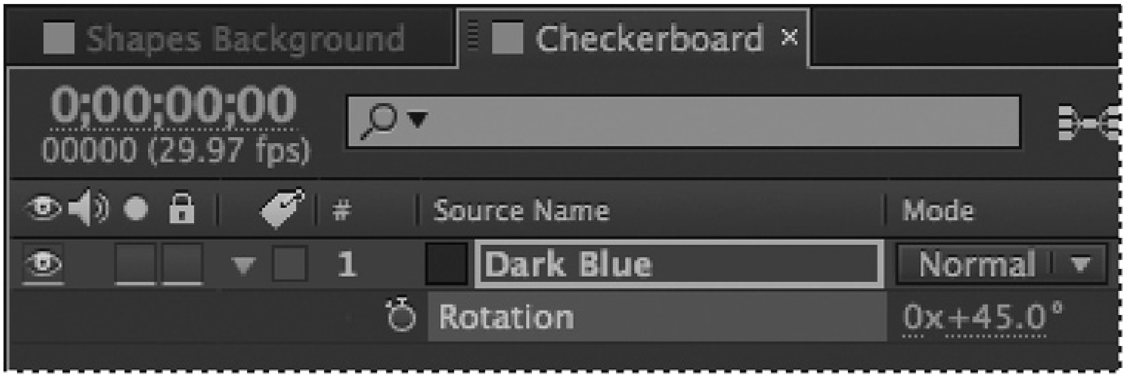


□4.50

- □□□□□Dark Blue□
- □□□□□□□□□100px□
- □Pixel Aspect Ratio□□□□□□□□□□□□Square Pixels□□□□□□□□
- □□□□□□□□R=25□G=50□B=150□□

5. □Timeline□□□□□Dark Blue□□□□□□R□□□□□□□Rotation□□□□□□Rotation□□□45°□

6. □□Selection□□□□□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□4.51□□4.52□□□



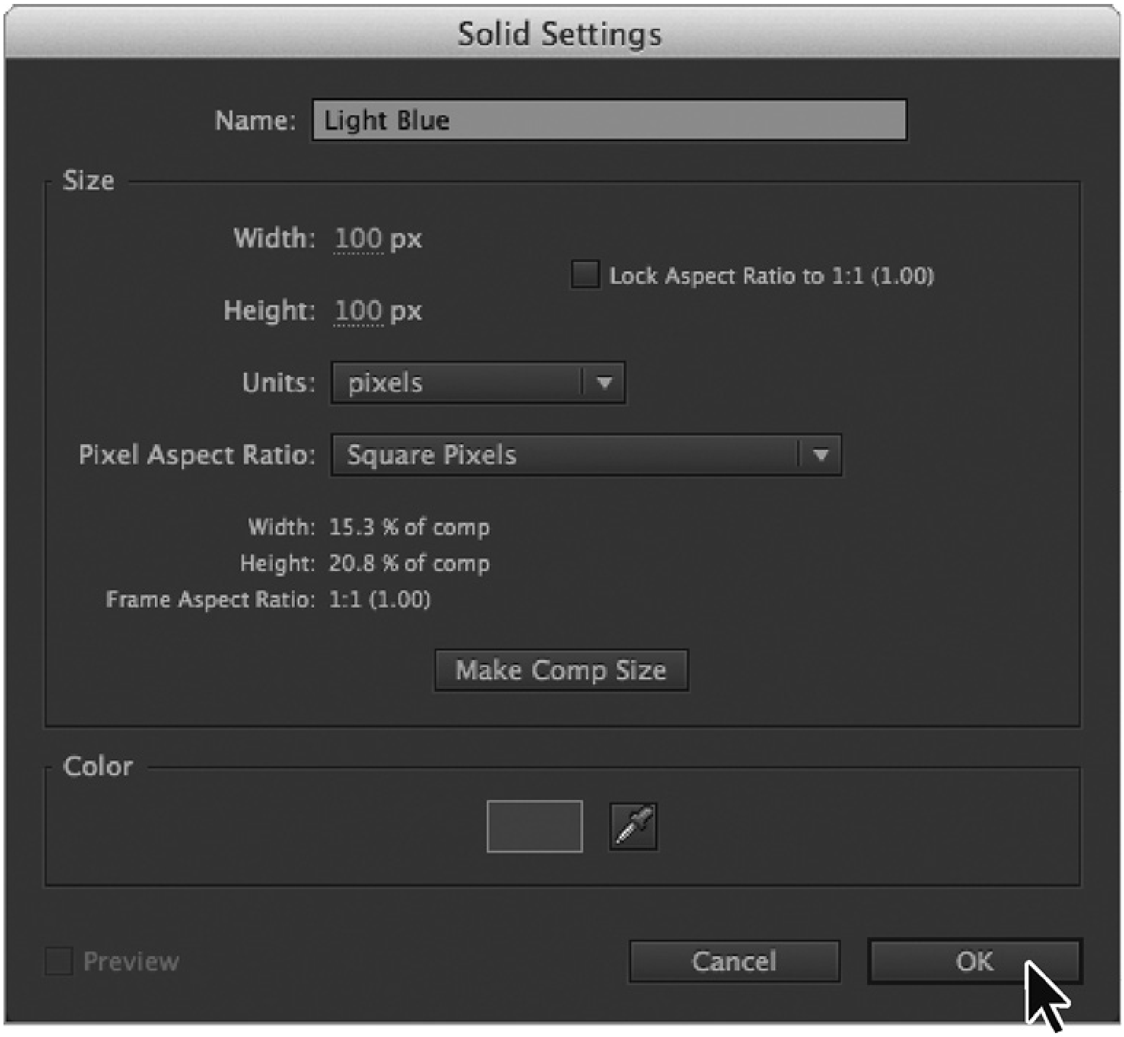
□4.51



□4.52

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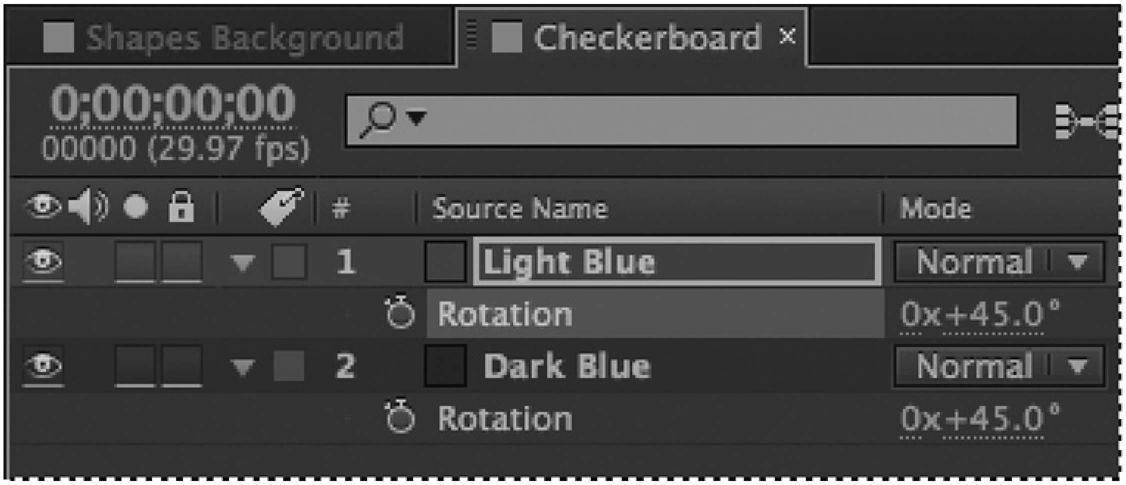
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□R=70□G=100□B=230□□□□□□OK□□□



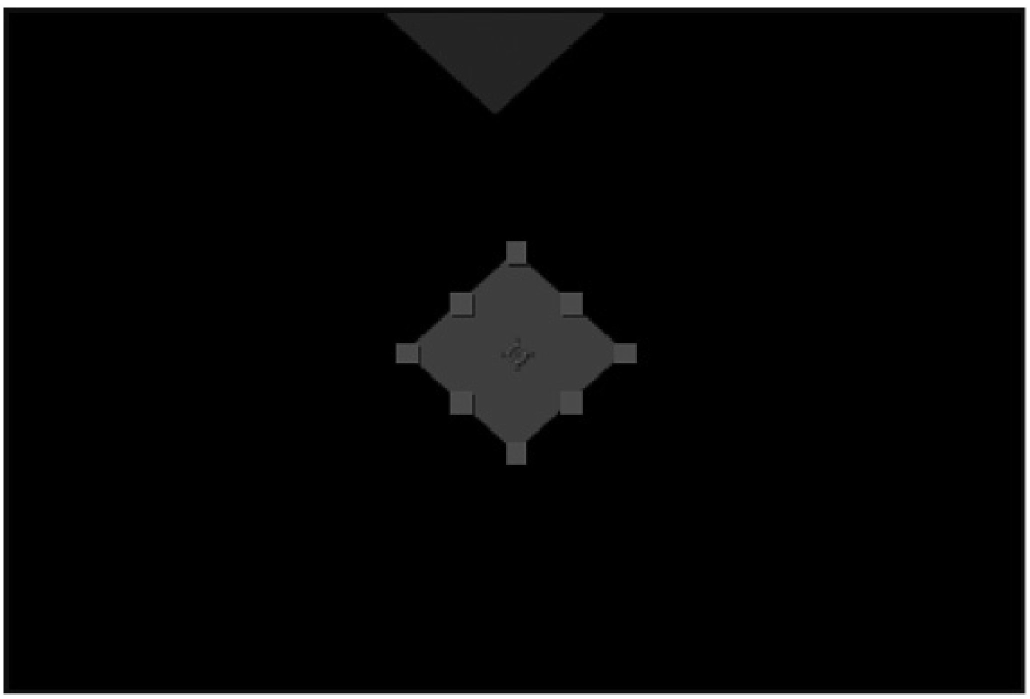
□4.53

□□□□□□□□□□□□□□□□□□□□□□□□□□□□Light Blue□□Dark Blue□□□□□
□□□□□

9. □Timeline□□□□□Light Blue□□□□□□R□□□Rotation□□□□□□
Rotation□□45°□□□4.54□□4.55□□□



[illegible]4.54



[illegible]4.55

4.5.2 [illegible]

[illegible]After Effects[illegible]Snapping[illegible]Snapping[illegible]

[illegible]

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□2D□□□□□2D□□□3D□□□□□3D□□□

1. □Tool□□□□□□□□□□□□□Snapping□□□□□□

2. □□□□□□□ □□□Composition□□□□□Light Blue□□□

□□:

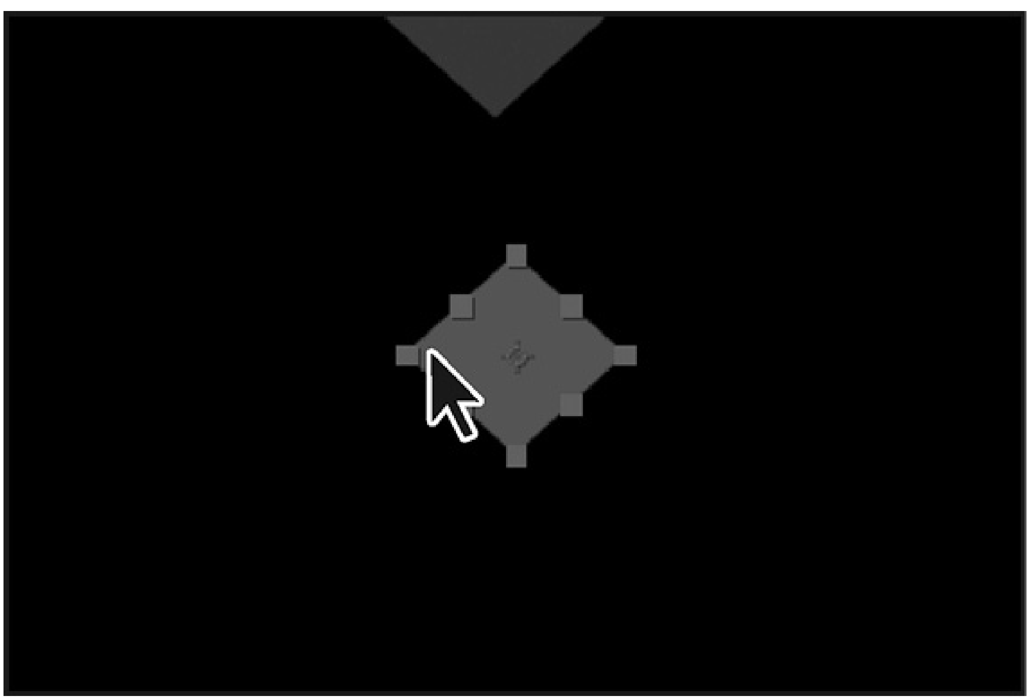
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□Composition□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

3. □Light Blue□□□□□□□□□□□□□□□□Dark Blue□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□4.56□□4.58□□□



□4.56



□4.57



□4.58

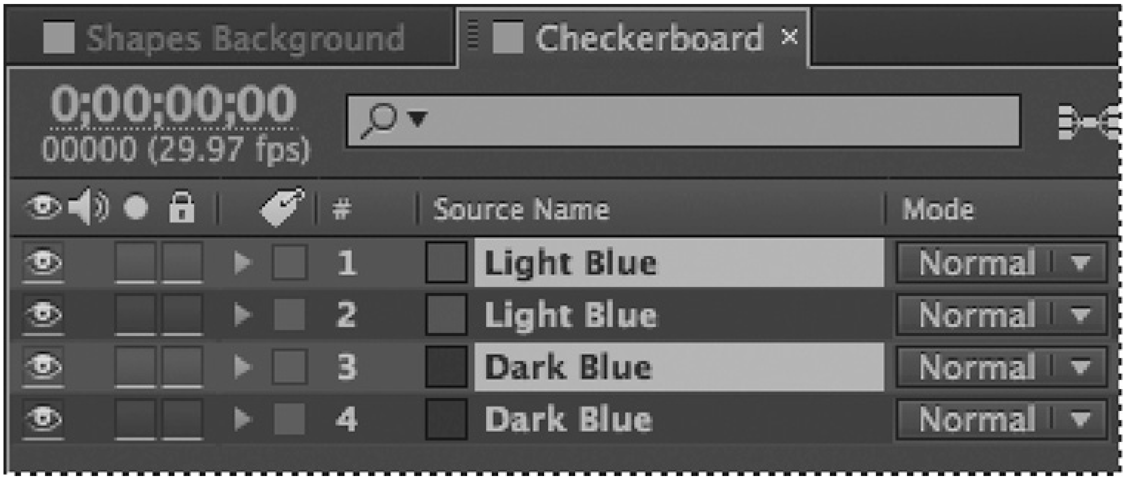
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4. □Timeline□□□□□□□□□□□□R□□□□□□□□Rotation□□□

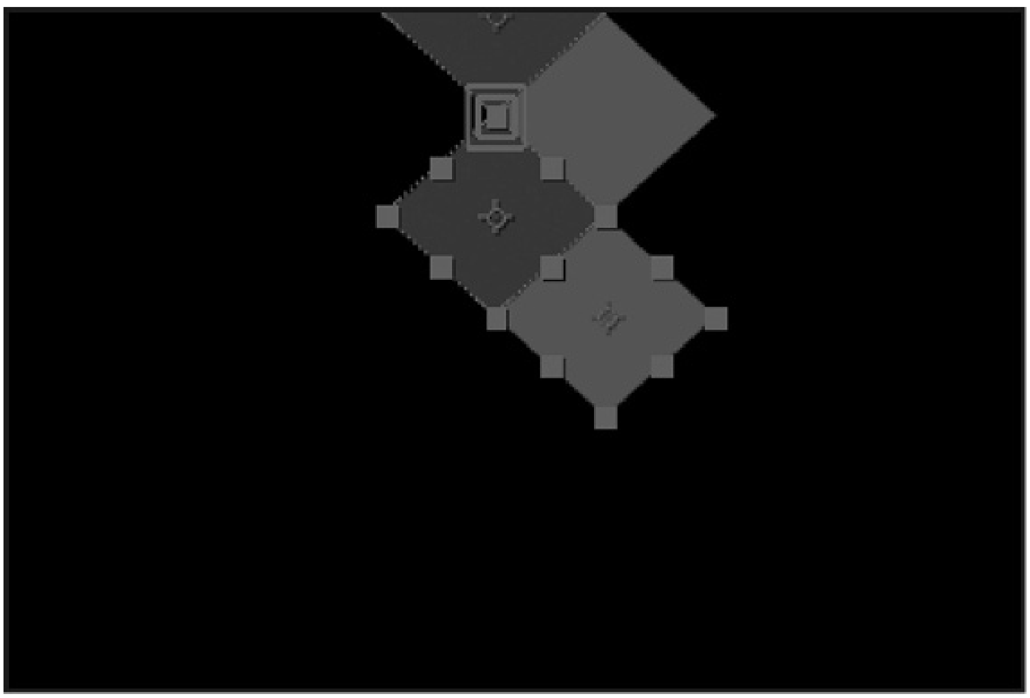
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> **□□:**
>
> □□□□Edit>Duplicate□□□□□□Ctrl+D□Windows□□Command+D
>
> □Mac OS□□□□□□□

6. □Composition□□□□□□□□□□□□□□□□□□□□□Dark Blue□□
□□□□Light Blue□□□□□□□□□□□□□□□□□□□□4.59□□4.60□□□

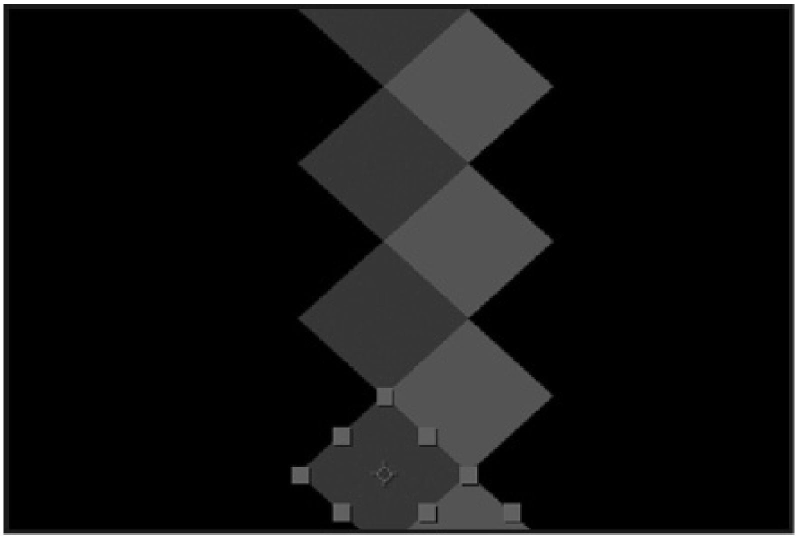


□4.59



□4.60

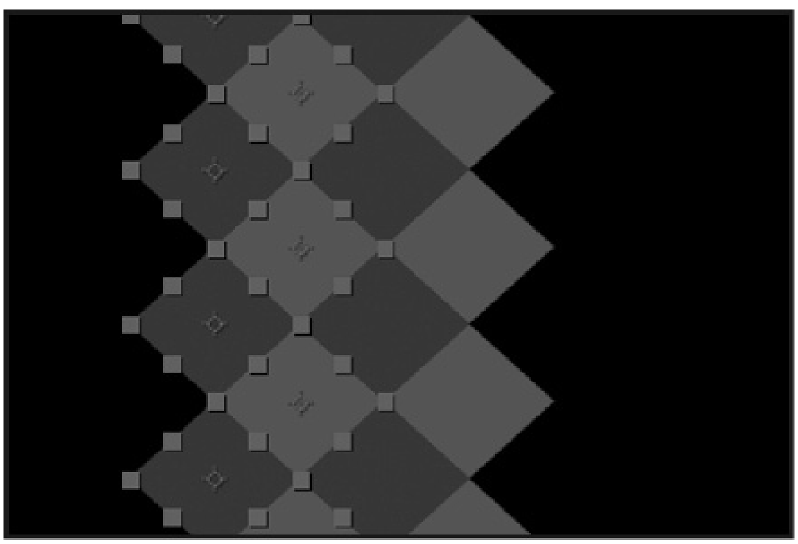
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□4.61

8. □Timeline□□□□□Edit>Select All□□□□□□

9. □□Ctrl+D□Windows□□Command+D□Mac OS□□□□□□□□□□Composition□□□□□□□□□□□□□4.62□□□



□4.62

10. □□□9□□□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□4.63□□□



□4.63

□□:

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4.5.3 □□□□□

Checkerboard□□

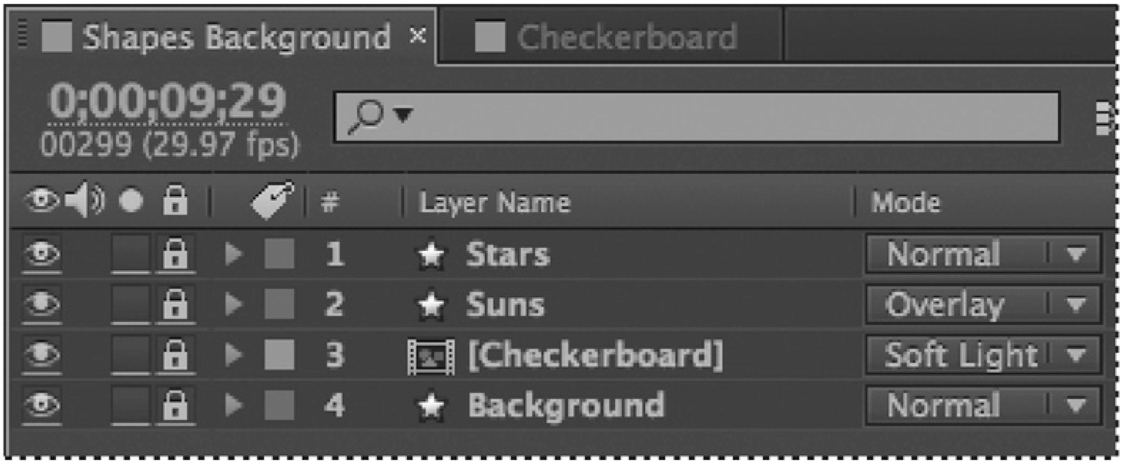
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2. □Project□□□□□CheckerBoard□□□□□Timeline□□□□□□□□□Background□□□□□

3. □Timeline□□□□□CheckerBoard□□□Mode□□□□□□Soft Light□□□□□

4. □□Checkerboard□□□□□□□□□□□□□□□4.64□□4.65□□□

5. □□□□□



[illegible]4.64



[illegible]4.65

4.6 [illegible]

[illegible]DJ[illegible]

4.6.1 [illegible]

[illegible]DJ.mov[illegible]Alpla[illegible]
[illegible]

1. □Home□□□□□□□□□□□□□□□□□□□□□□□

2. □□□□□□Project□□□□Assets□□□□□□□□□

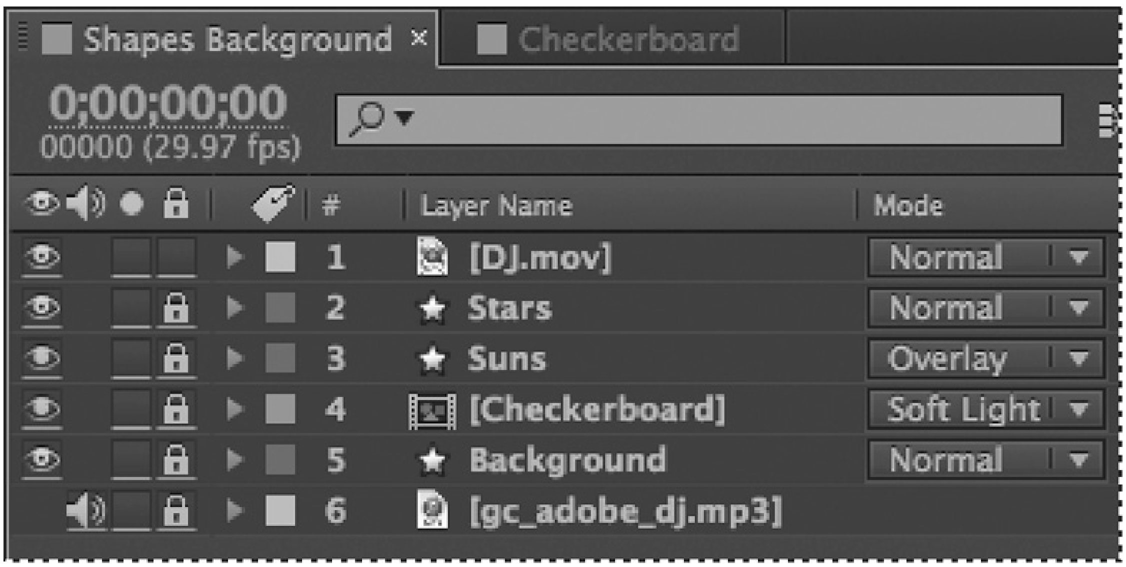
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4. □gc_adobe_dj.mp3□□□□Project□□□□□Timeline□□□□□□□□□□□□□□
□□□

□□□

□□

5. □□□□□□Timeline□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□File > Save□
□□□□4.66□□4.67□□□



□4.66



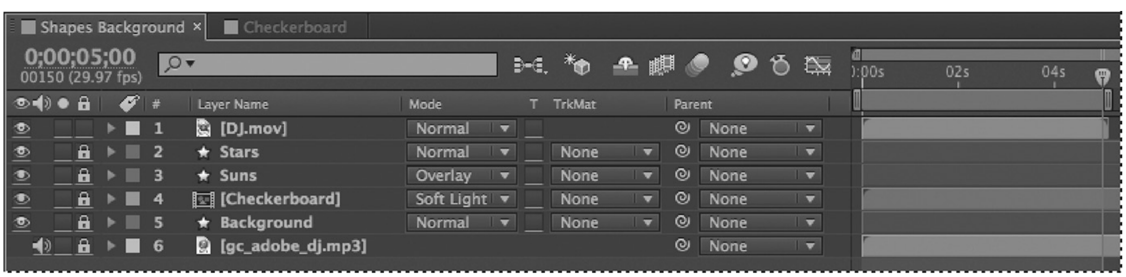
□4.67

4.6.2 □□□□□

DJ.mov□□□□□5□□□□□□□□10□□□□□□□□□□□□□□□□□□□□DJ□□□□□□□□□□□□□□□□□□□□□□□□□□□□5□□□□□□□□□□□□□□□5□□

1. □□□□□□□□□□□5□□□□□□□□□Timeline□□□□□□□□□□□□□□□□□□□Current Time□□□□□□□□□□□□□500□

2. □N□□□□□□□□□□□□□□□□□□□□□4.68□□□



□4.68

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4.7 □□Cartoon□□

After Effects□□□Cartoon□□□□□□□□□□□□□□□□□□□□□□DJ Quad Master□□□□□□□□□□□□□□□□□□□□□□□Cartoon□□□□□□□□□□□□□□

1. □□Timeline□□□□DJ.mov□□□

2. □□Effect > Stylize□□□□□> Cartoon□□□

Cartoon□□□□□□□□3□□□Cartoon□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□4.69□□□



□4.69

□□□□□□□□□□□□□□□□□□□□□□□□□Effect Controls□□□□□□□□

□□:

□□□□□Cartoon Render□□□Fill & Edges□□□Fill□□□□□□□□Edges□□□□□□□□□□□□□□□□□□□□□

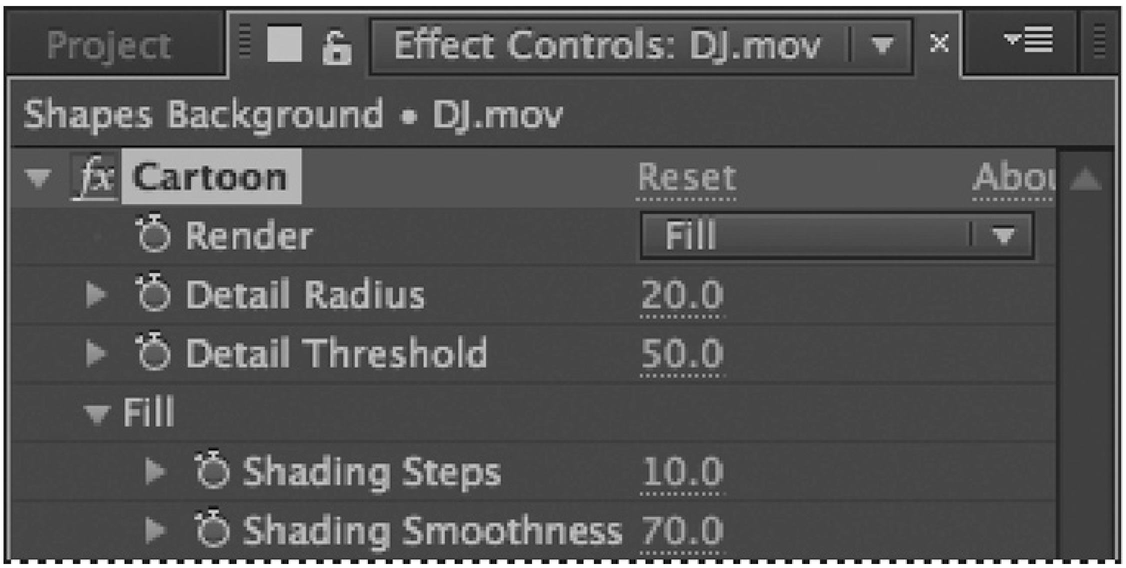
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4. □Detail Radius□□□□□□□□□□□20□Detail Threshold□□□□□□□□□□50□

□□

5. □Fill□□□□Shading Steps□□□□□□□□□□□10□□□□□Shading Smoothness□□□□□□□□□70□□□4.70□□4.71□□□



□4.70



□4.71

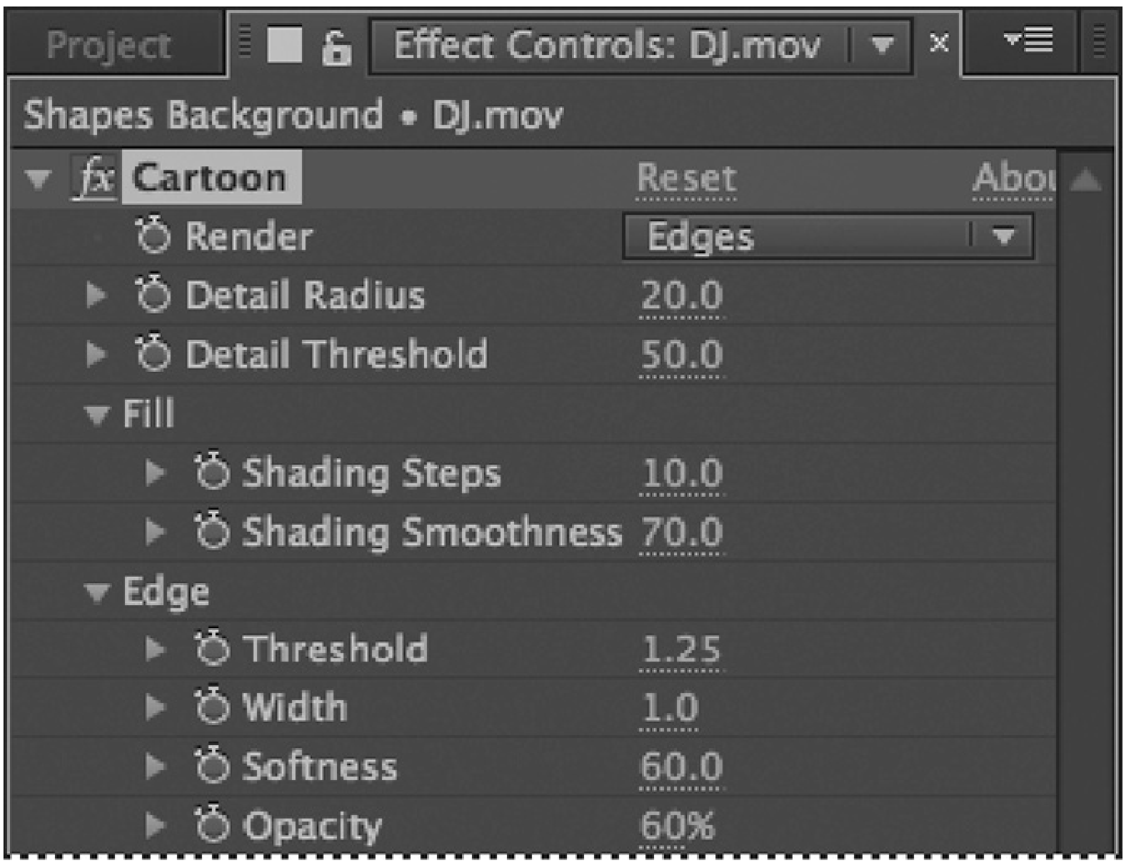
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6. □Render□□□□□□□Edges□□□□□□□□□□□□□□□□□□□□□□□□□□

7. □Edge□□□Threshold□□□□1.25□Width□□□□1□

□□□□□□□□□□□□□□□□□□

8. □□Softness□□□□□□□□□60□□□□□□Opacity□□□□□□□□□□60%□□□□□□□□□4.72□□4.73□□□



□4.72



□4.73

9. □Render□□□□□□□Fill & Edges□□□□□□

10. □□Advanced□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

11. □Edge Enhancement□□□□□□□□□□50□□□□□□□□□

12. □Edge Black Level□□□□□□□□□□□□2□□□□□□□□□□□□□□□□□□□□□
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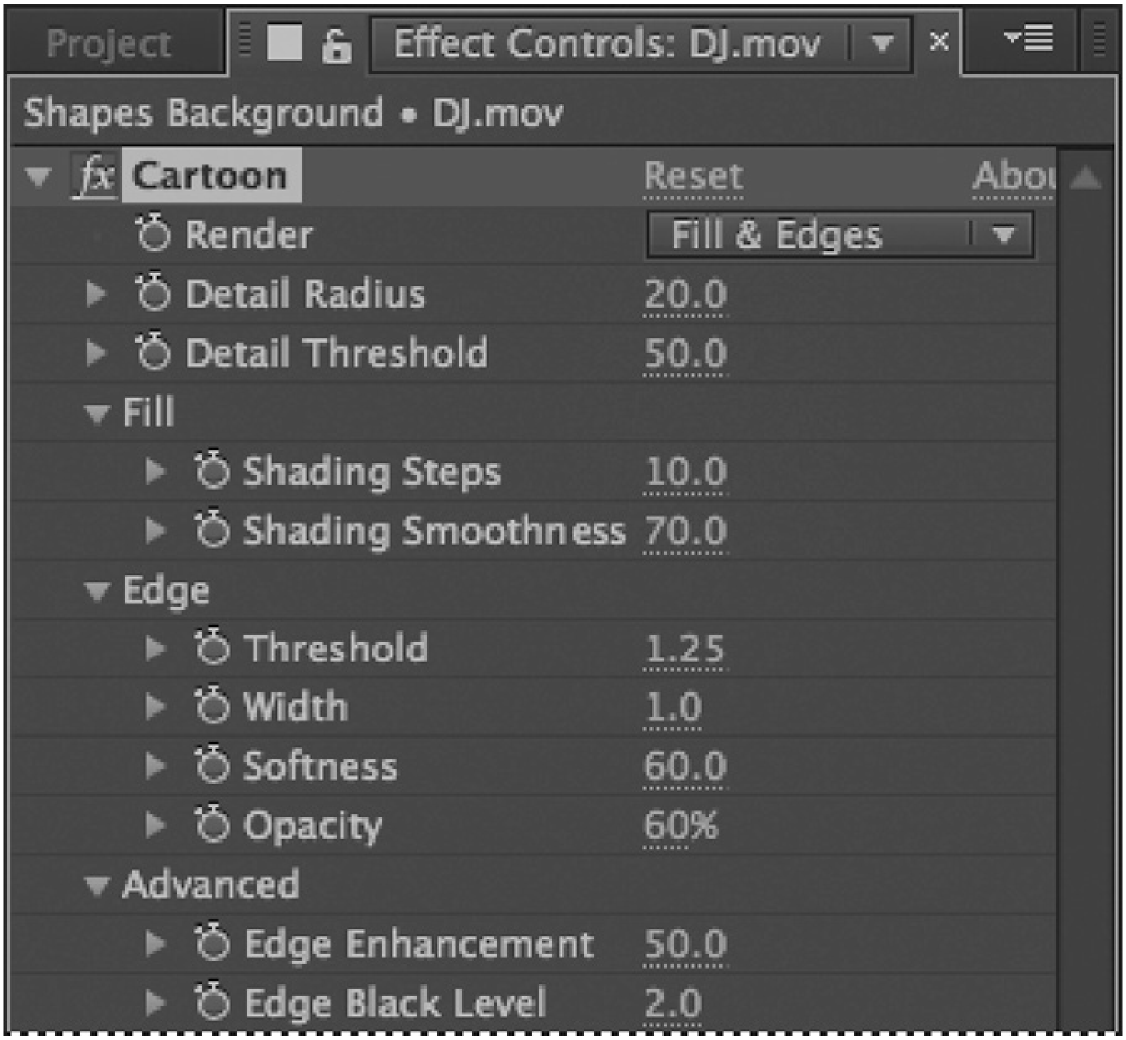

Project
Effect Controls: DJ.mov
Shapes Background • DJ.mov
Cartoon
Reset
Render
Fill & Edges
Detail Radius
20.0
Detail Threshold
50.0
Fill
Shading Steps
10.0
Shading Smoothness
70.0
Edge
Threshold
1.25
Width
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Softness
60.0
Opacity
60%
Advanced
Edge Enhancement
50.0
Edge Black Level
2.0

图4.74



□4.75

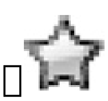
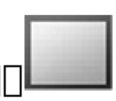
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4.8 □□□□□

□□□□□□□□□□□□□□□□□DJ□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Rectangle□□□□□□□□□□□□□□□□□□□□□□

4.8.1 □□□□□□□□

Wiggle Paths□□□

1. □□□□□Star□□□□□□□Rectangle□□□□□

2. □□Fill Color□□□□□□□□□□□□□R=255□G=255□B=130□□□□□□OK□□□

3. □□□□Stroke□□Stroke Options□□□□□□□Solid Color□□□□OK□□□

4. □□Stroke Color□□□□□□□□□□□□□R=200□G=200□B=200□□□□OK□□□

5. □Stroke Width□□□□□□□□□10□□□□

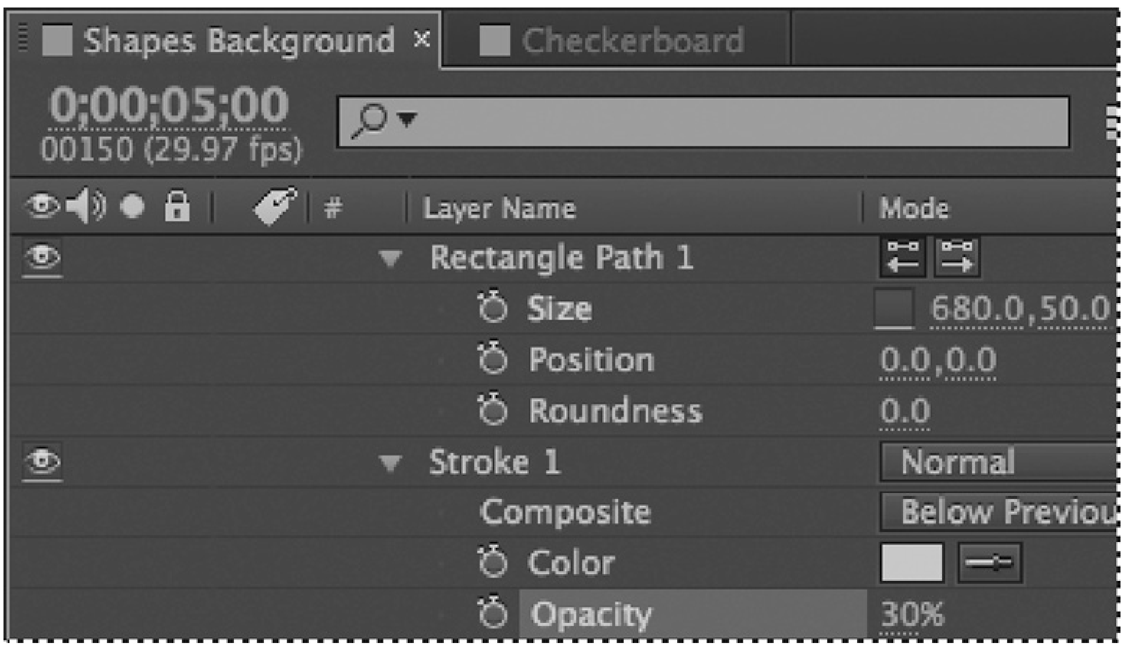
6. □□□□□□□□□□□□□□□□□□□□□□□□50□□□

> □□:
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> □□□□□□□□□□□□□□Composition□□□□Selection□□□□□□□□□□□□□

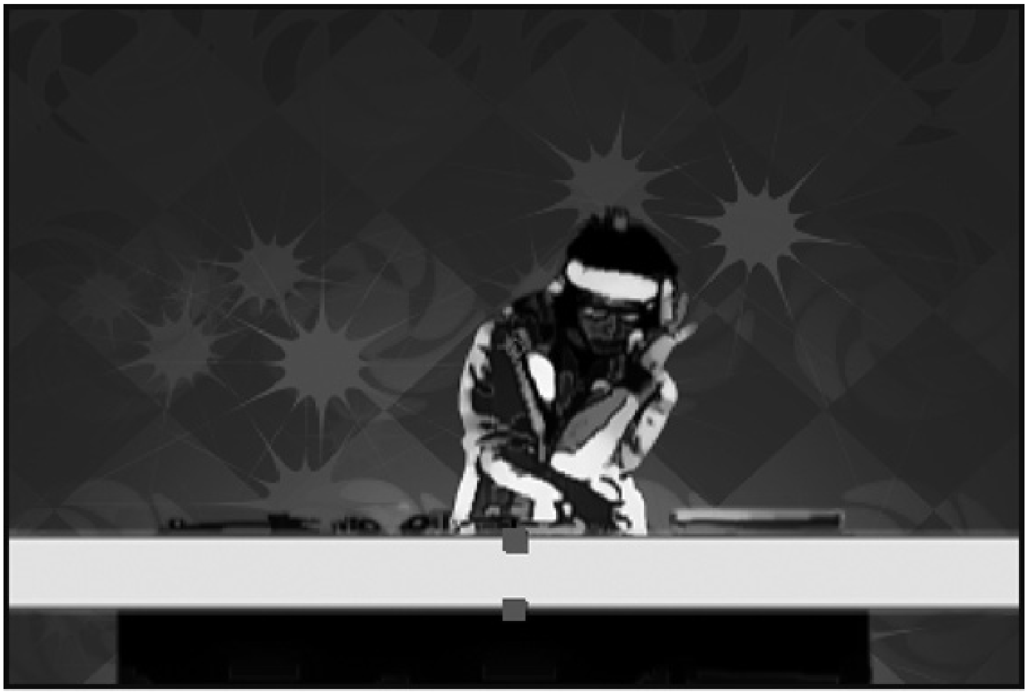
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8. □□Size□□□□□□□□□□□□□□□□□680□50□□

9. □□Stroke 1□□□Stroke Opacity□□□□□□□□□□30%□□□4.76□□
4.77□□□



□4.76



□4.77

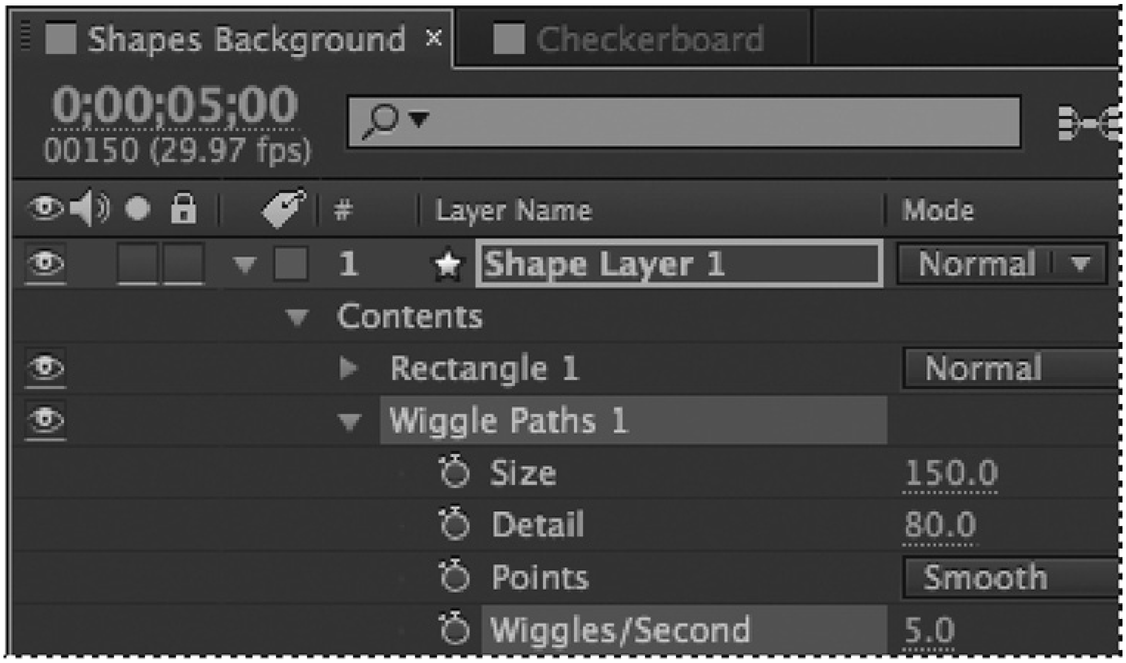
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11. □□Shape Layer 1□□□Add□□□□□□□Wiggle Paths□

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13. □Points□□□□□□□Smooth□□□□□□□□□□□□□□□

14. □Wiggles/Second□□□/□□□□□□□□5□□□□□□□□□□□□4.78□□4.79□□□


Shapes Background
Checkerboard
0;00;05;00
00150 (29.97 fps)
#
Layer Name
Mode
1
Shape Layer 1
Normal
Contents
Rectangle 1
Normal
Wiggle Paths 1
Size
150.0
Detail
80.0
Points
Smooth
Wiggles/Second
5.0

[illegible]4.78



[illegible]4.79

15. [illegible]

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16. □□□□□□□□□□□

17. □□□□□□□Lower Third□□□□□□□□□

4.8.2 □□□□

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1. □Home□□□□□□□□□□□□□□□□□□□□□□□

2. □□Horizontal Type□□□T□□□Character□□□□□sans serif□□□□Arial Black□□□□□□□□□□60□□□□

3. □Character□□□□□Fill Color□□□□□□□□R= 0□G=0□B=0□□□□□□Stroke Color□□□□□□□R=255□G=255□B=255□□

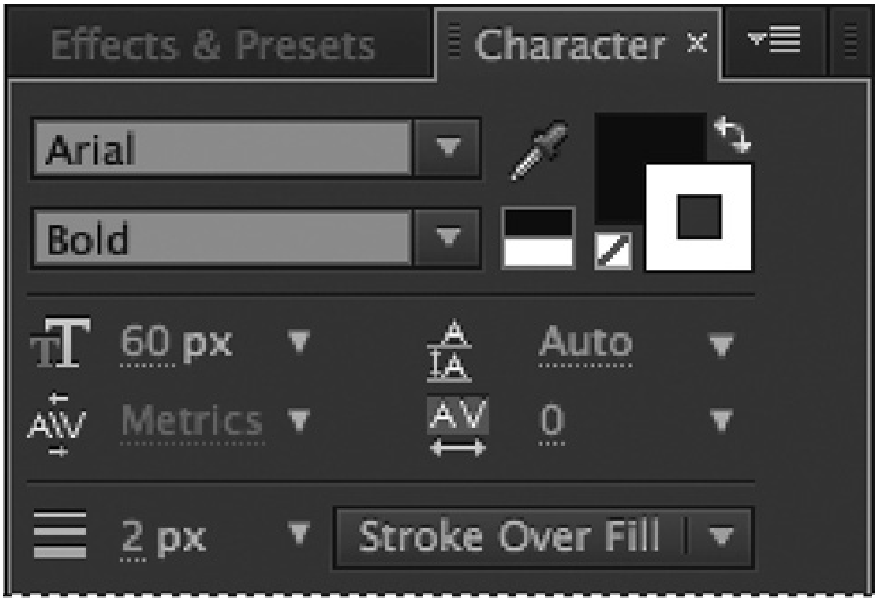
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5. □Composition□□□□□□□□□□□□□□DJ Quad Master□

6. □□Selection□□□ □□□□□□□□□□□□□□□□□□□□4.80□□4.81□□□

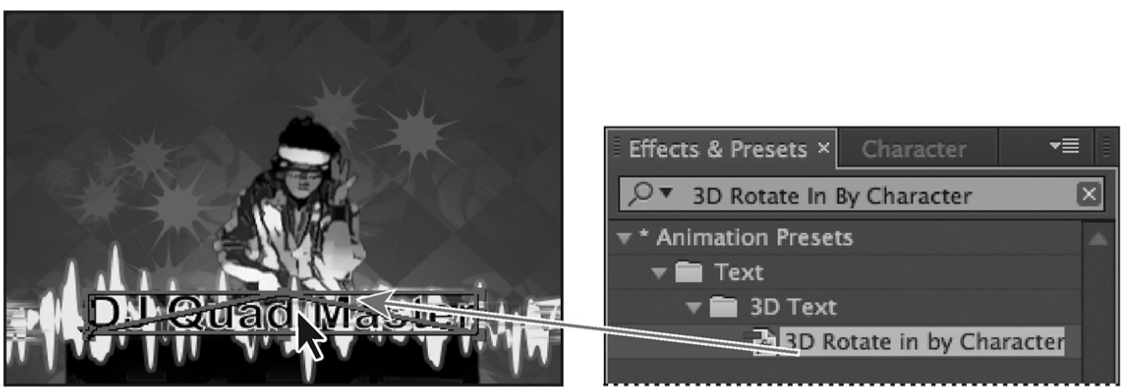


□4.80



□4.81

7. □Composition□□□□□□□□□Effect & Presets□□□□□□□□3D Rotate In By Character□□□□3D Rotate In By Character□□□□□□□□
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□4.82

After Effects□□□□□□□□□

8. □□RAM□□□□□□□□□□□□□□□□4.83□□4.85□□□



□4.83



□4.84



□4.85

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Cartoon□□□□□□RAM□□□□□□□□□□□□□□□□□□□□□□

4.9 □□Brainstorm□□

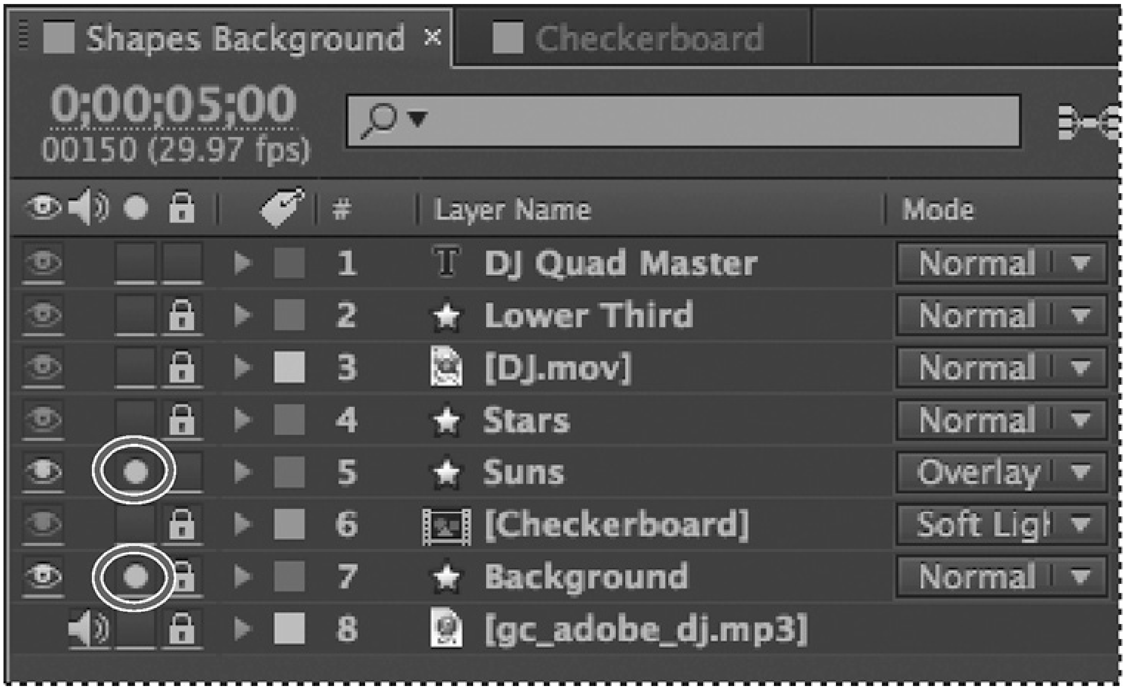
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Brainstorm□□□□□□□□□□□□□□□□□□□□□□□Suns□□□□□□□□□□□

1. □□□□□□□□File > Save As□□□□□□□□□□□□Brainstorm□□□□□Lesson04/Finished_Project□□□□

2. □□Timeline□□□Suns□□□

3. □□Suns□Background□□□Solo□□ □□□□Composition□□□□□□□□□□□□4.86□□4.87□□□



□4.86



□4.87

□□Soloing□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Soloing□□□□□Composition□□□□□□□□□□□□

4. □□Suns□□□□□□Contents□

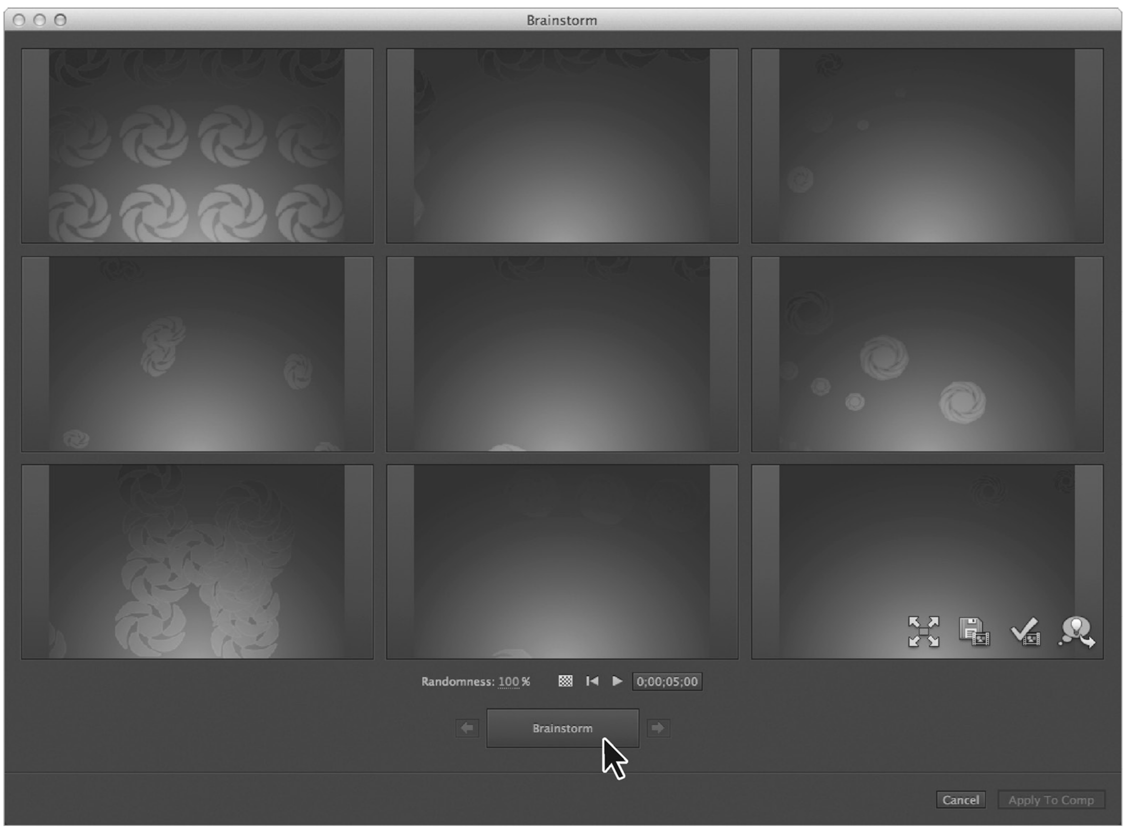
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5. □□Timeline□□□□□Brainstorm□□□ □□□□Brainstorm□□□□

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7. □□Brainstorm□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Brainstorm□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□4.88□□□

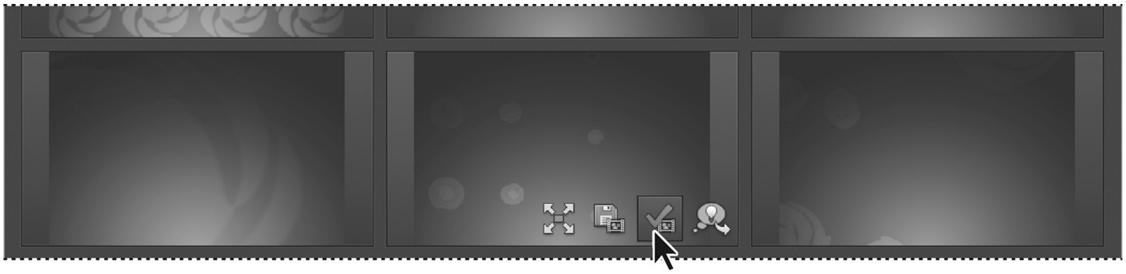


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□4.89

9. □□□□□□□□□□□□□□□□□□Cannel□□□□□Brainstorm□□□□□□□□□□□□□□□□□□□□□solo□□□

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1. □Timeline□□□□□gc_adobe_dj.mp3□□□□□□□□□□□□□□□□□□□□Control□□□□□□□□Keyframe Assistant > Convert Audio To Keyframes□□□

After Effects□□□Audio Amplitude□□

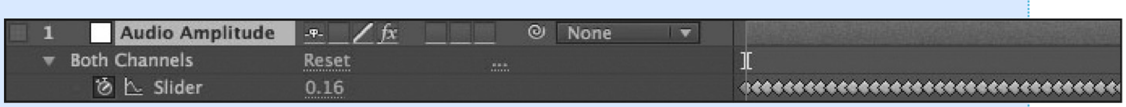
2. □□Audio Amplitude□□□□□□□Edit > Cut□□□

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4. □□Audio Amplitude□□□□□□□E□□□□□□□□□□□□

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5. □□□Slider□□□□□□□□4.90□□□

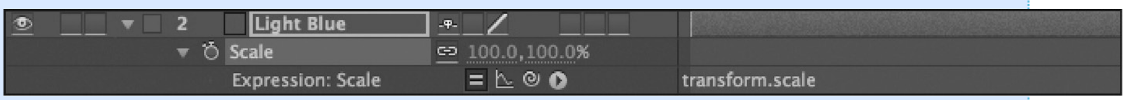


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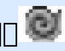
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6. □Composition□□□□□□□□□□□□□□□□S□□Timeline□□□□□□□Scale□□□

7. □Timeline□□□□□□Alt□□□□□Windows□□□□Option□□□□□Mac OS□Scale stopwatch□□□□□□□□□□□□□□□□□□□□transform.scale□□□□□4.91□□□



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11. □□□□□□□□Scale□□□□□□□Edit > Copy□□□□□□□□

12. □□Timeline□□□□□□□□□□□□□□□□□□Edit>Paste□□□□□□□□□□□□□□□□□□

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13. □□□□□□□□Shapes Background□□□□□□□□□□□□□□□□□□□□□□□□□□

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4.10 □□□□□

4.10.1 □□

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2. □□□□□□□□□□□□□□□□

3. □□□□□□□□□□□□□□□

4. Pucker & Bloat□□□□□□□□□□

5. Cartoon□□□□□□□□□□□

4.10.2 □□□

1. □□□
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3. [illegible]Composition[illegible]Tools[illegible]Snapping[illegible]After Effects[illegible]

4. Pucker & Bloat[illegible]

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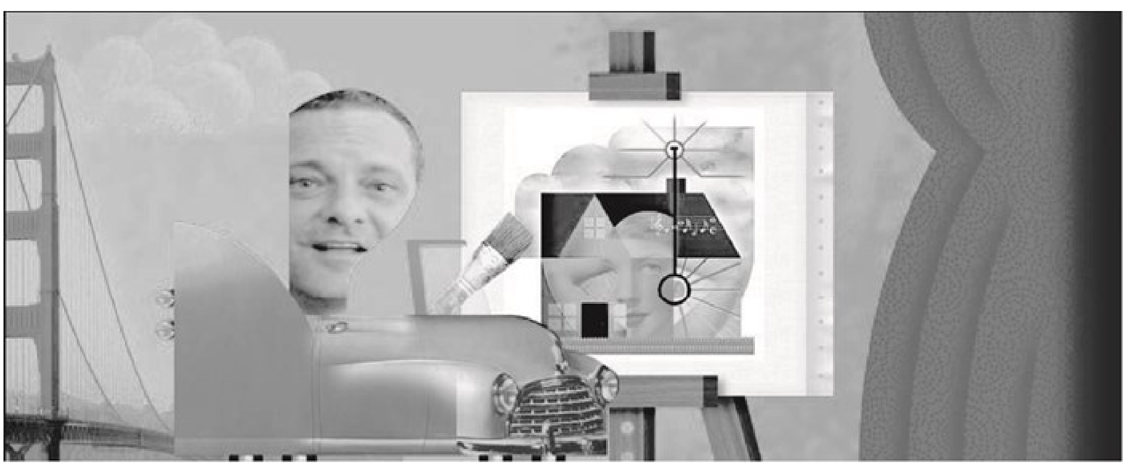
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5.1　□□

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- Assets□□□□CarRide.psd□GordonsHead.mov□piano.wav□□□□□□□“studer_”□□□JPEG□□□□□
- Animation_preset□□□□HeadShape.ffx□
- Sample_Movie□□□□Lesson05.mov□

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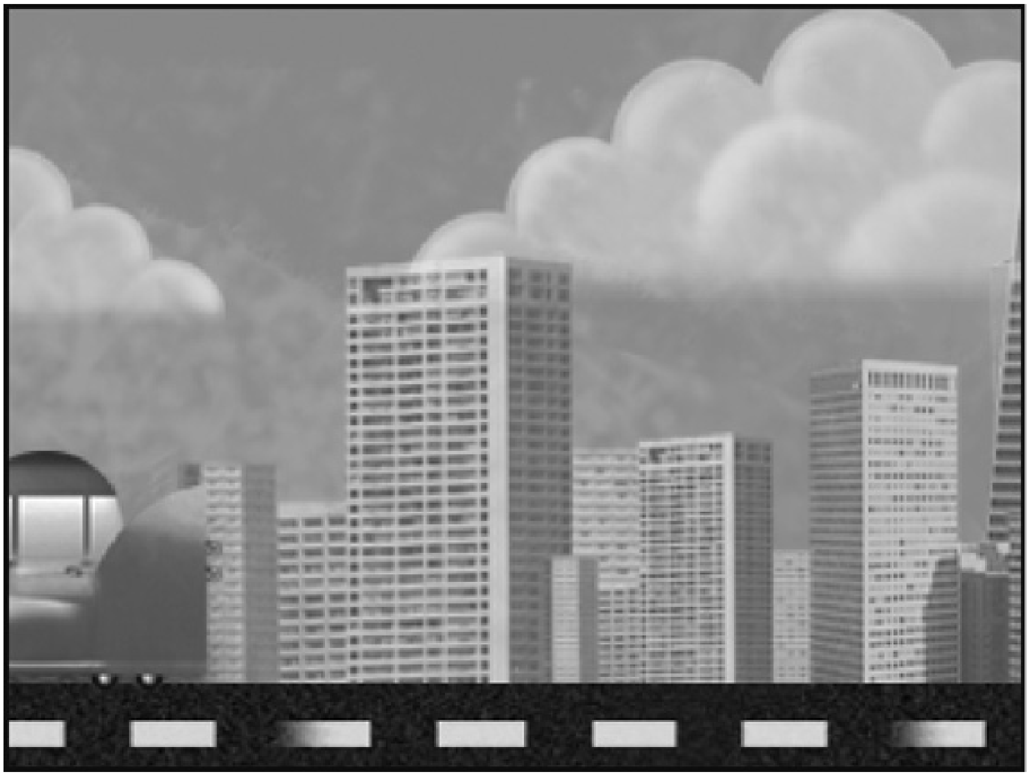
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3. □□After Effects□□□□Ctrl+Alt+Shift□Windows□□
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4. □□Close□□□□Welcome□□□

5. □□File>Open Project□□□

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□5.1

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5.2 □□□□□□□□□□□□□□

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5.2.1 □□□□□□

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2. □□□□□□□□□Parent□□□□□□□8.BG□□□□□□□3□□□□□8.BG□□□□□
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□5.2

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5.2.2 □□□□□□□□□□

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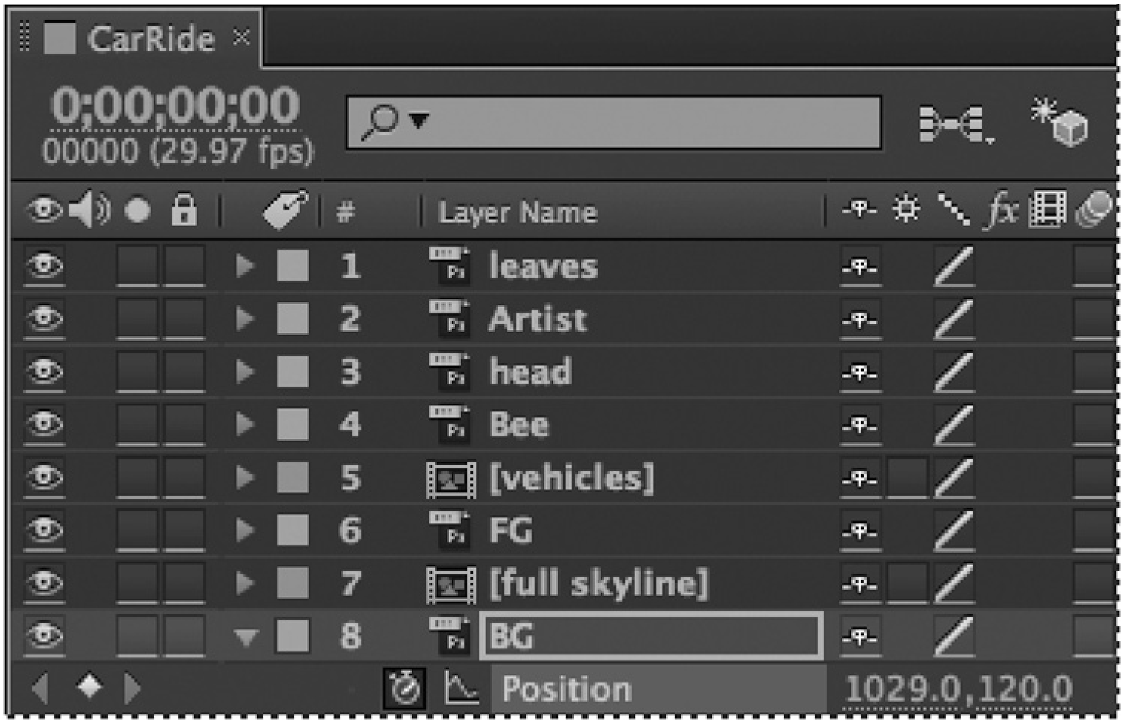

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1 leaves
2 Artist
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4 Bee
5 [vehicles]
6 FG
7 [full skyline]
8 BG
Position
1029.0,120.0

图5.3



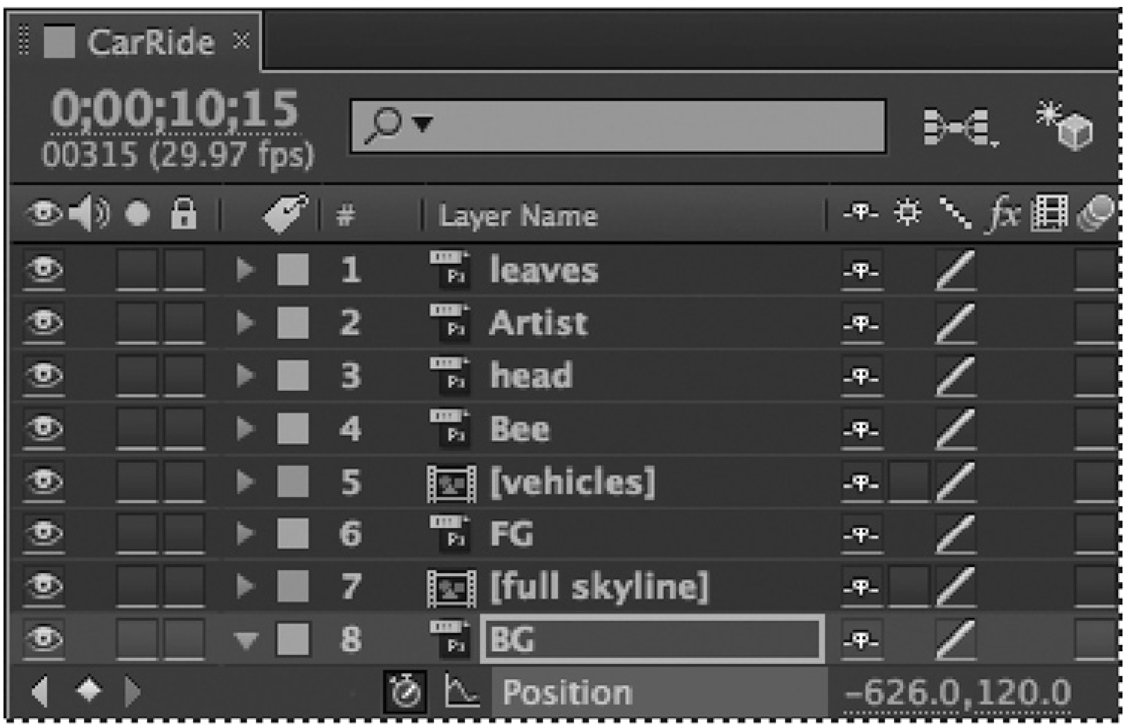
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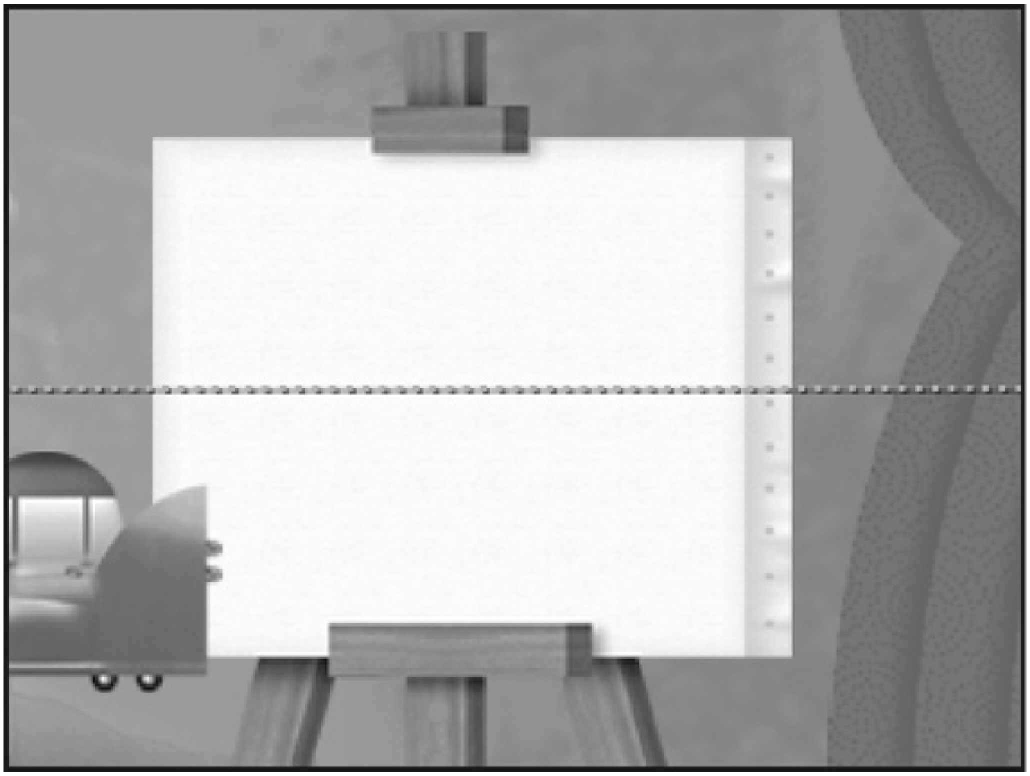
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□5.5



□5.6

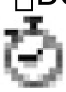
6. □□BG□□□□P□□□□□□□□Timeline□□□□□□□

5.2.3 □□□□□□□□□□

□□

1. □Home□□□□□□0:00□

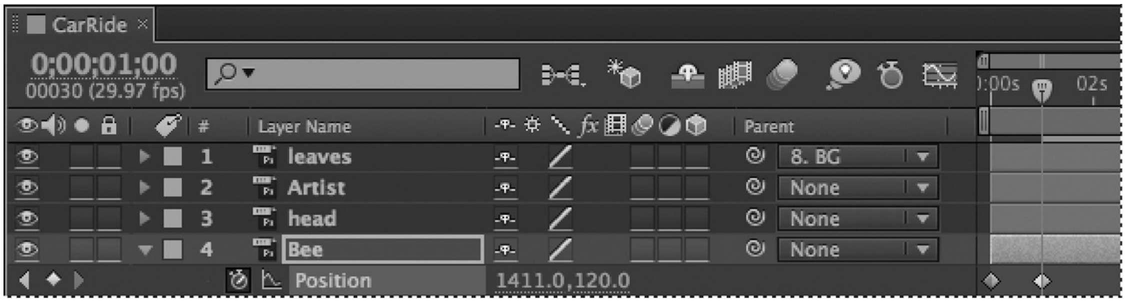
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3. □Bee□□□Position□□□□825□120□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Position□□□□

4. □□□1:00□□Bee□□□Position□□□□1411□120□□□□□□□□□□□□□□□After Effects□□□□□□□□

> **□□:**
>
> □□□□□Selection□□□Composition□□□□□Bee□□□□□□Position□□□□□□□□□□□□□□□□□□□

5. □□Bee□□□□□□P□□Timeline□□□□□□Position□□□□□5.7□□□



□5.7

5.2.4 □□□□□□□

□□□□1:00□□In□□□□□□□□□□□□□□Out□□□□□□□□□□□□□□Layer□□□□Timeline□□□□□In□□Out□□□□□□□□□□□□□□□□□□□□□□Timeline□□□□□□Bee□□□□Out□□□□Timeline□□□□□□Bee□□□□□□□□□□□□□□□□□1:00□□Alt+]□Windows□□Option+]□Mac OS□□□□□□Out□□□□□□□□□□

1. □□□□□□□□□□□1:00□□□□□□□Timeline□□□□□□Bee□□□□

2. □Alt+]□Windows□□Option+]□Mac OS□□□□□□Out□□□□□□□□□□□□□5.8□□□



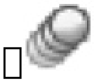
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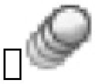
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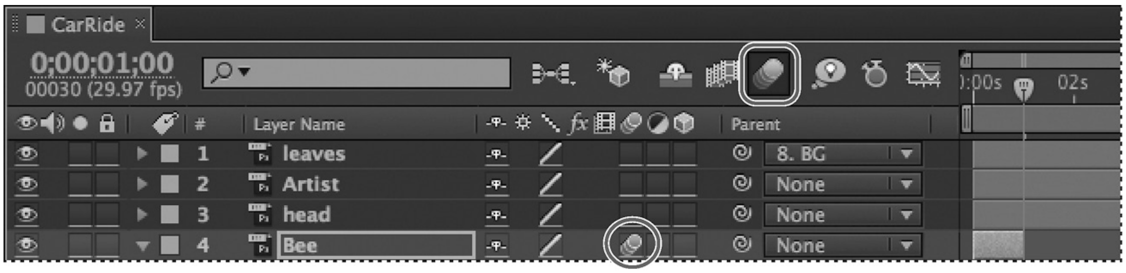
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5.2.5 □□□□□□□□□

□□□

1. □□Bee□□□Motion Blur□□□□□□□□□□□□□□

2. □□Timeline□□□□□Enable Motion Blur□□□□□□□□Composition□□□□□□□□□□□□□□5.9□□□



□5.9

5.2.6 □□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□□□□□□□□0:00□□□10:15□□□

2. □□□□□□□□□□□□□□□□0:00□□□□□File>Save□□□□□□□

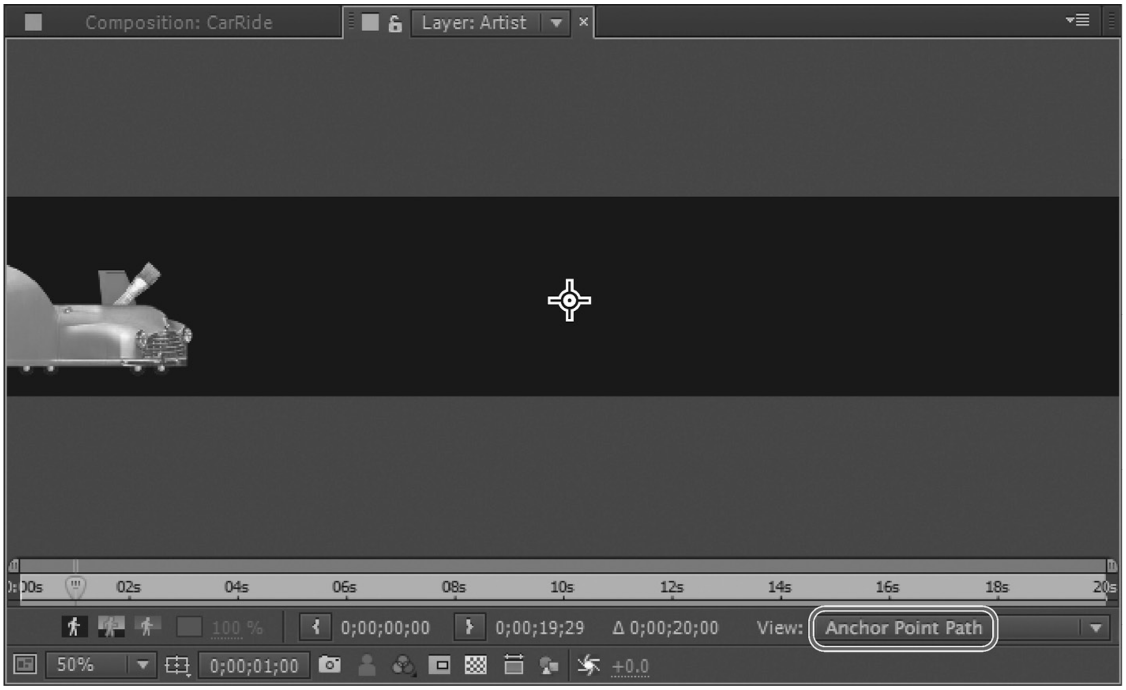
5.3 □□□□

□□Artist□□□□□□□□Artist□□□□□□□□□Layer□□□□□Artist□□□

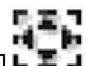
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2. □Layer□□□□□□View□□□□□□□Anchor Point Path□

Anchor Point Path□□□□□□□□□□□□□□□□□□□□□□□□□□5.10□□□



□5.10

3. □Tools□□□□Pan Behind□□□□□□Y□□□□□□

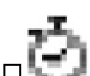
4. □□□□□□□□□□Magnification Ratio□□□□□□□□□□Fit Up To 100%□□□□□□□□□□□□□□5.11□□



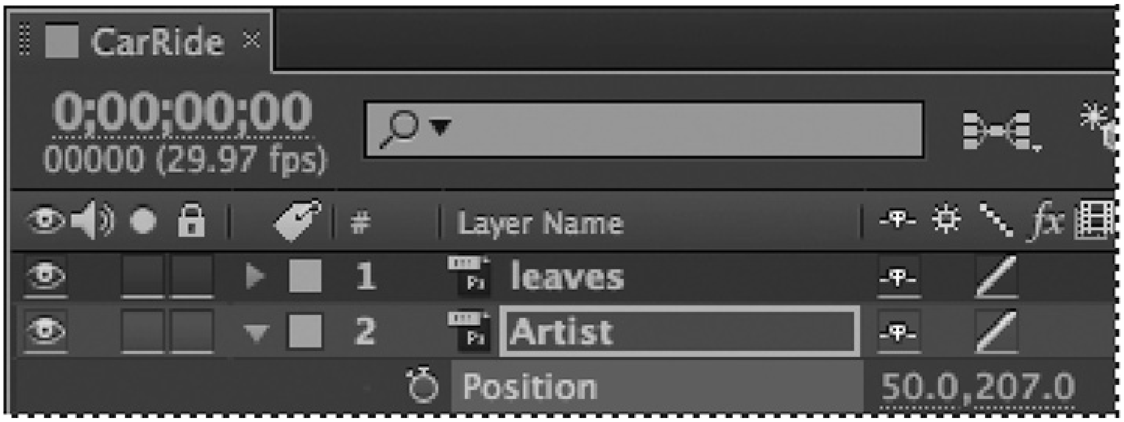
□5.11

5. □□Composition:CarRide□□□□□CarRide□□□□

6. □Timeline□□□□Artist□□□P□□□Position□□

7. □Artist□□Position□□□50□207□□□□□□□□□□□□□□□□□□□Position□□□

□□5.12□□5.13□□



□5.12



□5.13

8. □□Artist□□□□□P□□□□□□□□□□□File>Save□□□□□□□

5.4 □□□□□□□□□□□□□□□

□□□
□□□□□□□□□□“□□□□”□□□□□□□□

> □□□ □7□□□□□□□□□□□□□□

5.4.1 □□□□□□□□

□□

1. □Project□□□Source□□□□□GordonsHead.mov□□□□□□□□□□□Create A New Composition□□□ □□□

After Effects□□□□□□□□□□□□□□GordonsHead□□□□□□□□□Timeline□□□Composition□□□□□□□□□□□□□□□5.14□□5.15□□□



□5.14

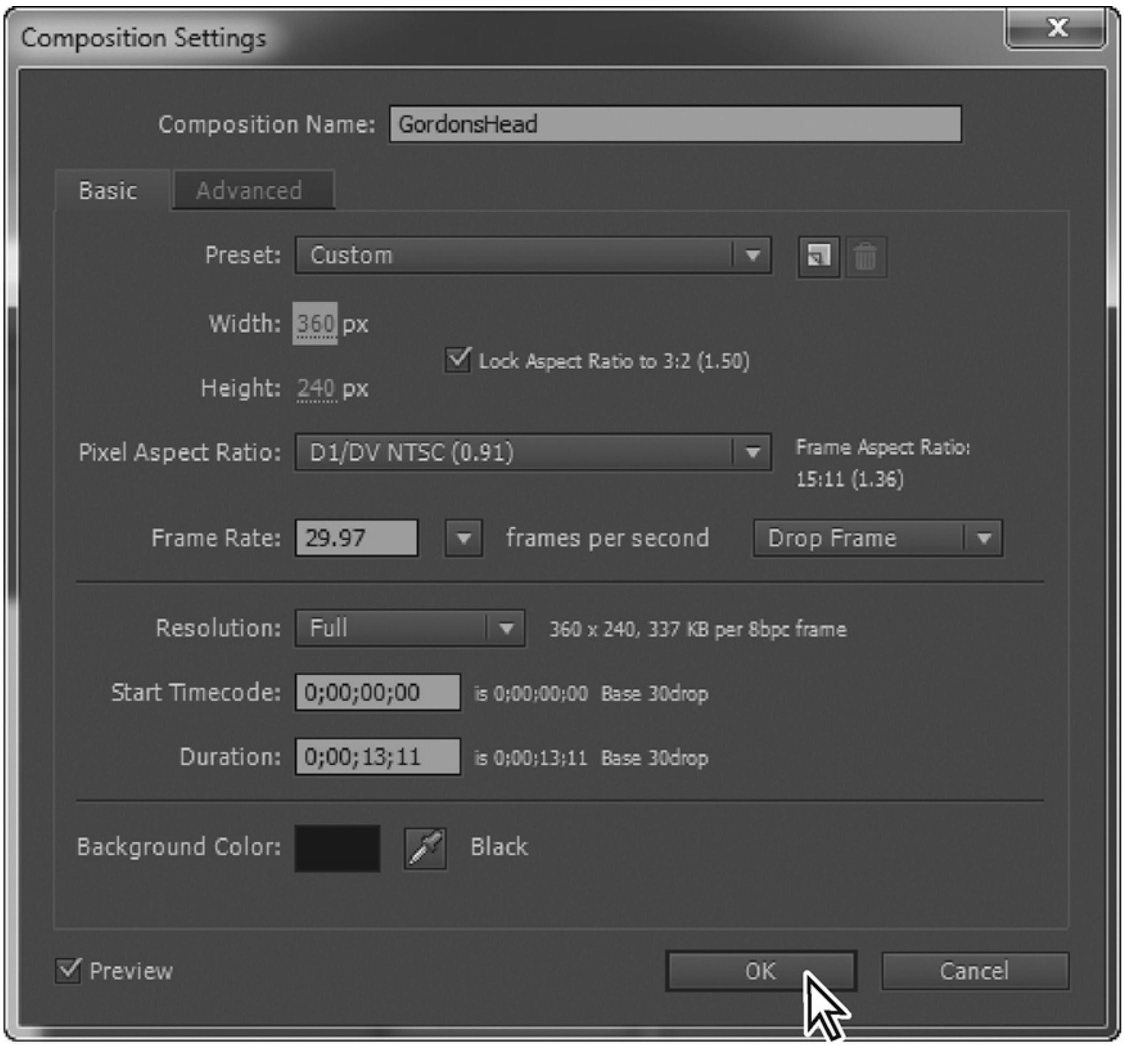


□5.15

□□□□□GordonsHead□CarRide□□□□□□□□□□□□□□□□□

2. □Project□□□□□GordonsHead□□□□□□□□Composition > Composition Settings□□□

3. □Composition Settings□□□□□□Width□□□□□□□360□□□□□Lock Aspect Ratio□□□□□□□□□□□□□□After Effects□□□Height□□□□□□240□□□□□ OK□□□□□5.16□□□



□5.16

□□□□□□□□□□□□□□□□□□□□□□

4. □Timeline□□□□□GordonsHead□□□□□□Layer>Transform> Fit To Comp□□□□□5.17□□□



□5.17

5.4.2 □□□□□□□□□□□□

□□□□Gordon Studer□□□Gordon□□□□□□

1. □□Layer > New > Shape Layer□□□After Effects□□□□□□□□□□□□□□□□

2. □□Timeline□□□□Shape Layer 1□□□□□Animation> Apply Animation Preset□□□

3. □□□□□□□□□□□□□□□□AECC_CIB\Lessons\Lesson05\Animation_preset□□□□

4. □□HeadShape.ffx□□□□□Open□□□□□□□Shape Layer 1□□□5.18□□□



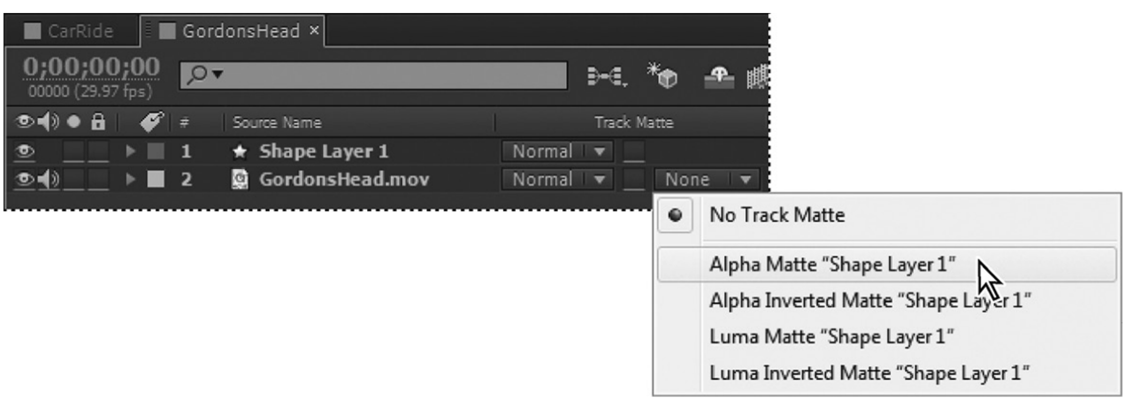
□5.18

5.4.3 □□Alpha Matte□□□□

□After Effects□□Alpha matte□□□□□□□Alpha□□□□□□□□□

1. □□Timeline□□□□□Toggle Switches/Modes□□□□Mode□□

2. □GordonsHead□□□TrkMat□□□□Alpha Matte“Shape Layer 1”□□□5.19□□□



□5.19

□□□□□□□□□□□□□□□□□5.20□□□



□5.20

5.4.4 □□□□□□□□□□□□

□□Gordon Studer□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
CarRide□□□□□□□□GordonsHead□□□□□□□□Head□□□□□□□□□□□□□□□□□□□□□□□
□□□

1. □□Timeline□□□□□CarRide□□□□

2. □Timeline□□□□□□Head□□□□□□□□□□□□□

- □Project□□□□□□GordonsHead□□□□□□□Ctrl+Alt+/□Windows□□Command+ Option+\□Mac OS□□□□□□
- □□Alt□Windows□□□Option□Mac□□□GordonsHead□□□□□□Project□□□□□Timeline□□□□Head□□□

3. □Composition□□□□□□Selection□□□  □□□Head□□□□Gordon□□□□□□□□□□□□□□□□□□□□5.21□□5.22□□□

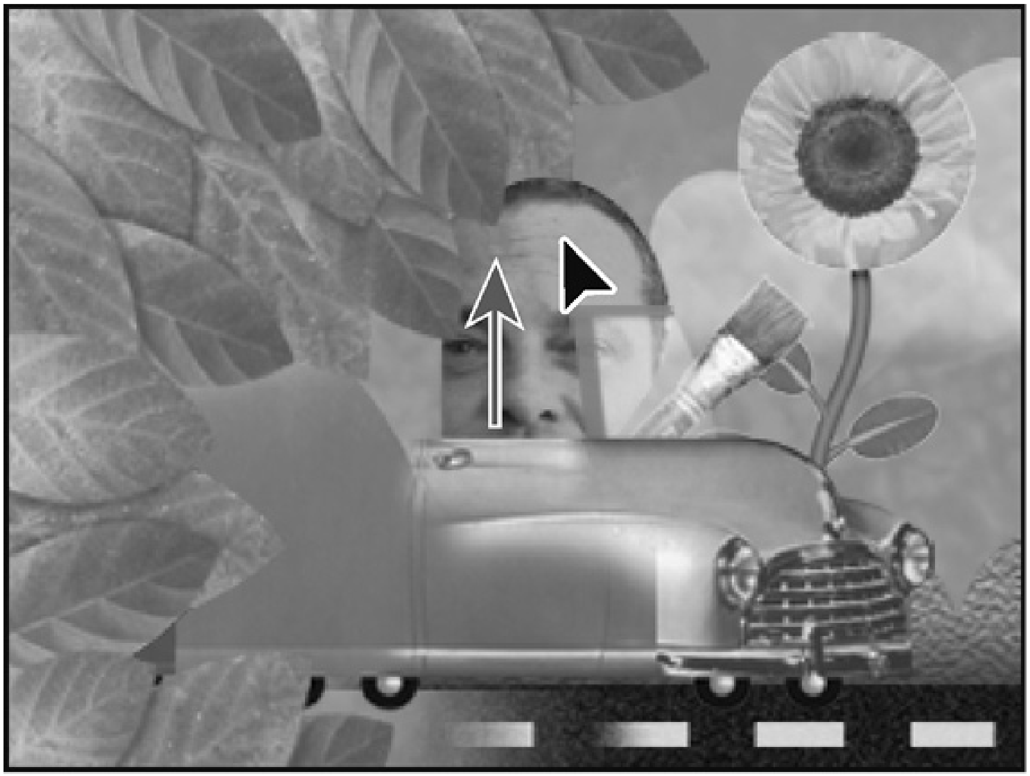


图5.21

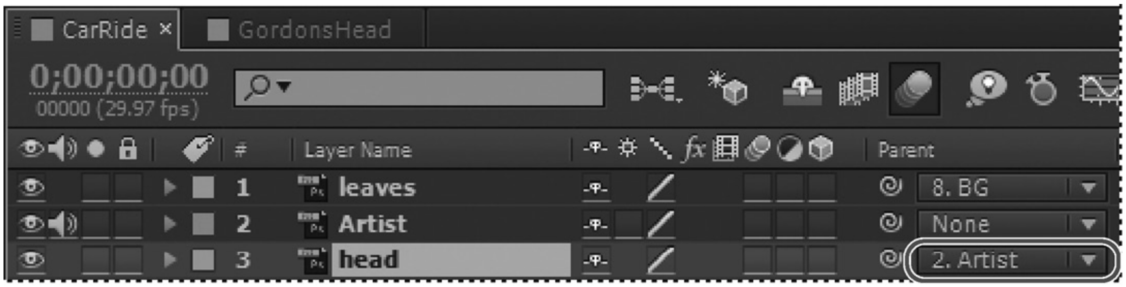


图5.22

□□□□□□□□□□□□□Gordon□□□□□□□□□□□

4. □Timeline□□□□Head□□□□□Parent□□□□□□□2.Artist□□□5.23□□□

5. □□File>Save□□□□□□□

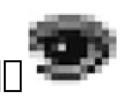


□5.23

5.5 □□□□□□□□□□

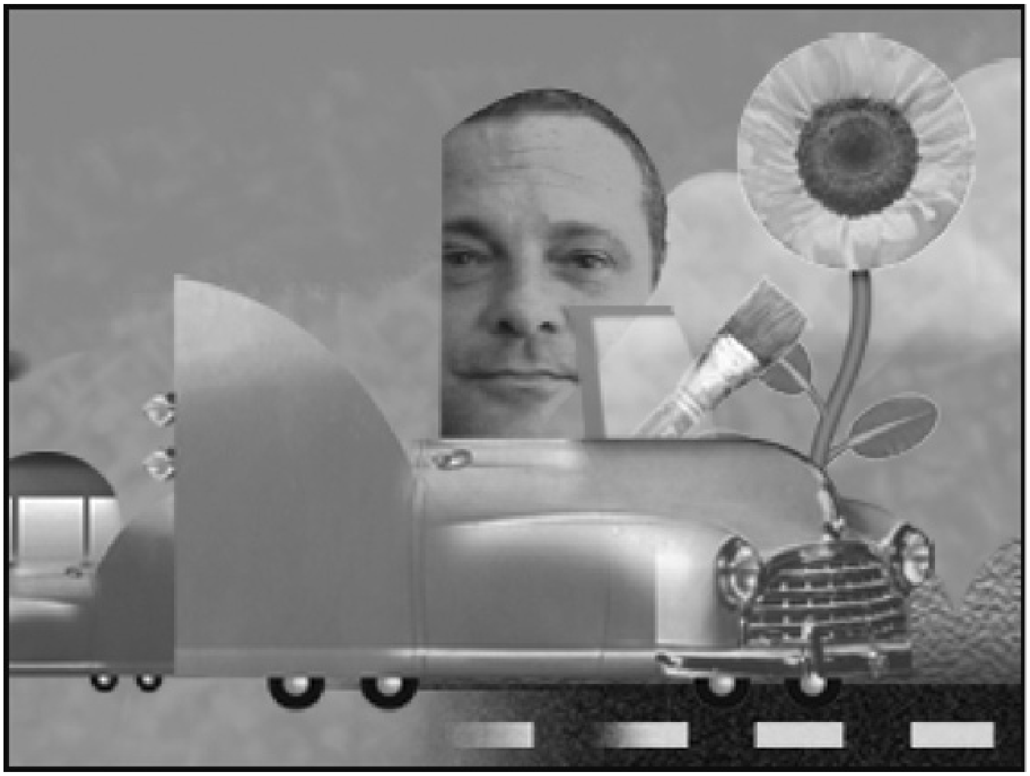
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□□

1. □Home□□□□□□□□□□□□□□□□□□□□□□

2. □□Timeline□□□Leaves□□□Video□□□  □□□□Leaves□□□□□□□□□□□□□□□□□Artist□□□□□5.24□□5.25□□□



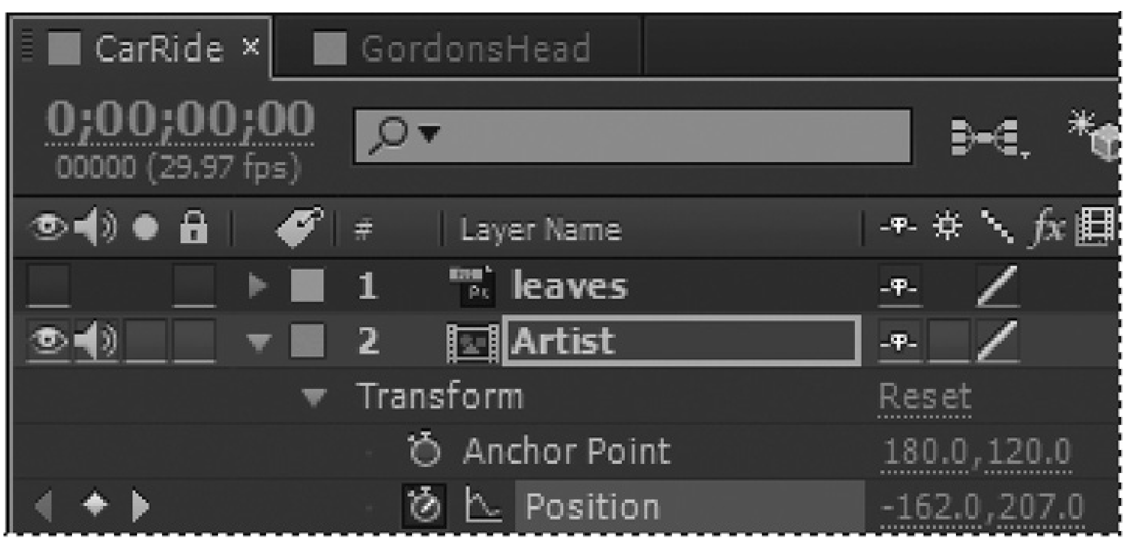
□5.24



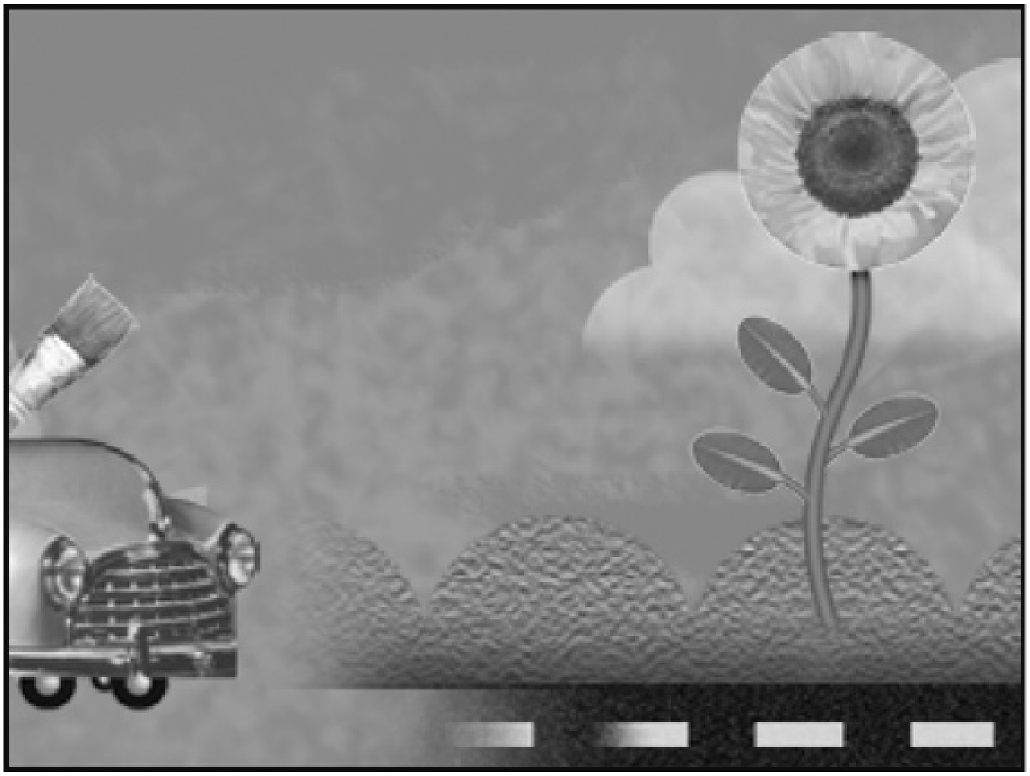
□5.25

3. □□Timeline□□□□Artist□□□□□□Transform□□□

4. □□□□Position□□□□□−162□207□□□□□□□□□□□□□□□□□□□□□□□□□□5.26□□5.27□□□



□5.26



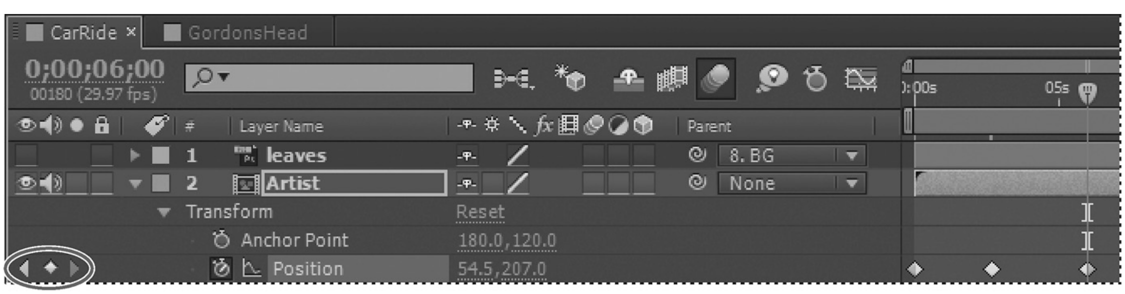
□5.27

□□□

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5. □□□2:20□□Artist□□□Position□□□□54.5□207□□After Effects□□□□□□□□

6. □□□6:00□□□Artist□□□Add Or Remove Keyframe At The Current Time□□□□□□□□□□□□□□□□□□□□Switches□□□□□□□□□□54.5□207□□Artist□□□□□□Position□□□□□□5.28□□□



□5.28

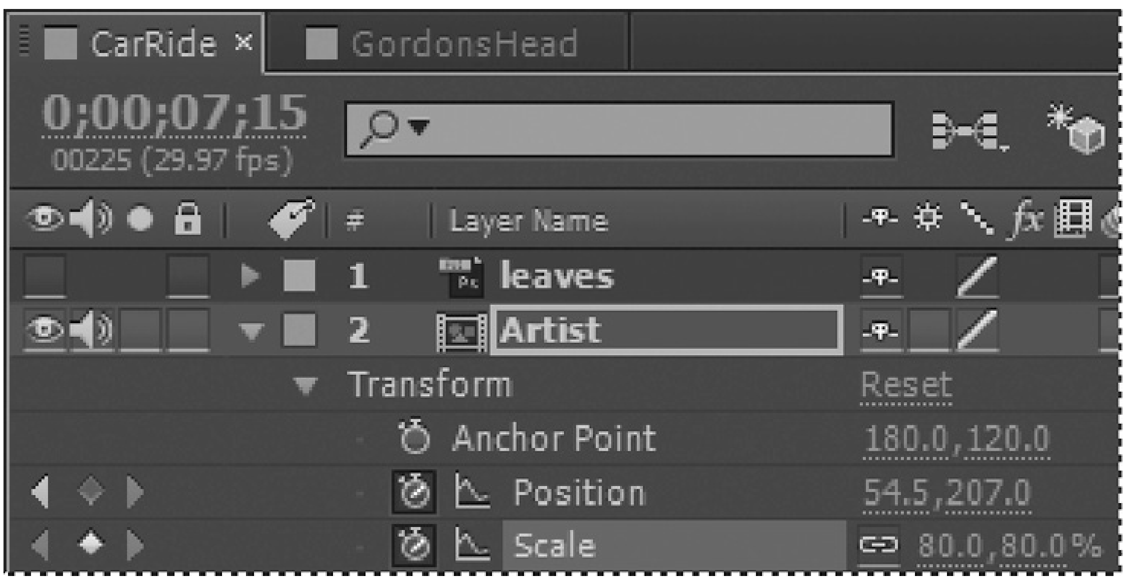
□□Position□□□□□□□□After Effects□□Composition□□□□□□□□□□□□Layer□□

> □□□□□□□□□□□□□□□□——□□□□□□□□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□Add Or Remove Keyframe At Current Location□□□□□□□□□□□□□□□□□

5.5.1 □□□□□□□□□

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1. □□□7:15□□Artist□□□Scale□□□80□80%□□□□□□□□□□□□□ □□□Scale□□□□□5.29□□5.30□□□



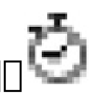
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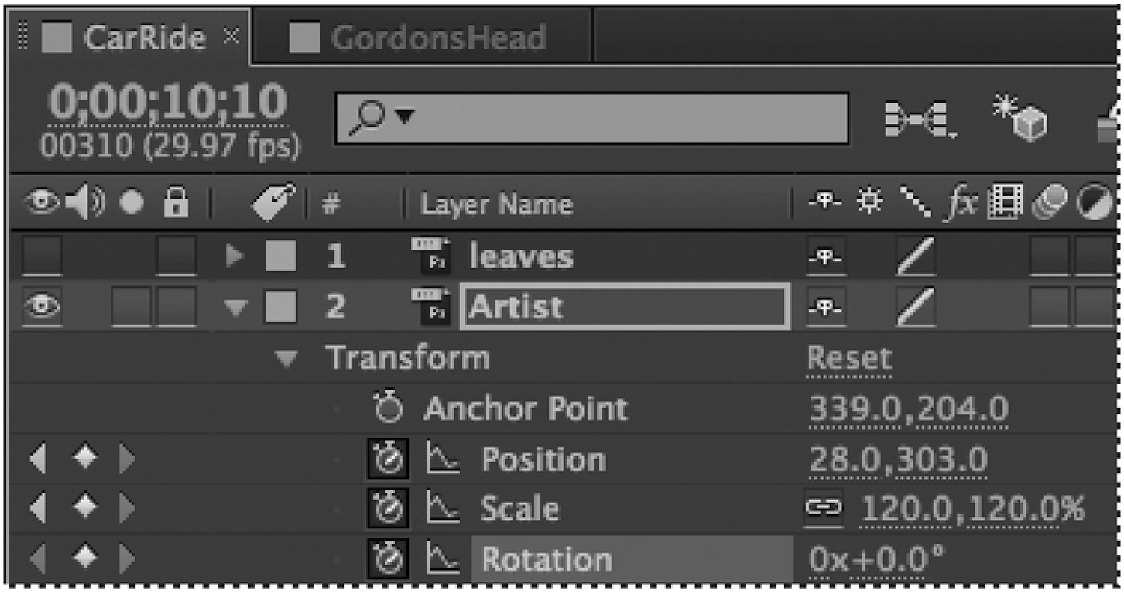


□5.30

2. □□□10:10□□Artist□□□Position□□□□28□303□□After Effects□□□□□□□□

3. □□□10:10□□□Scale□□□□120□120%□□After Effects□□□□□□□□

4. □□□10:10□□□□Rotation□□□□□□□□□□□□□□0.0˚□□Rotation□□□□□□5.31□□5.32□□□

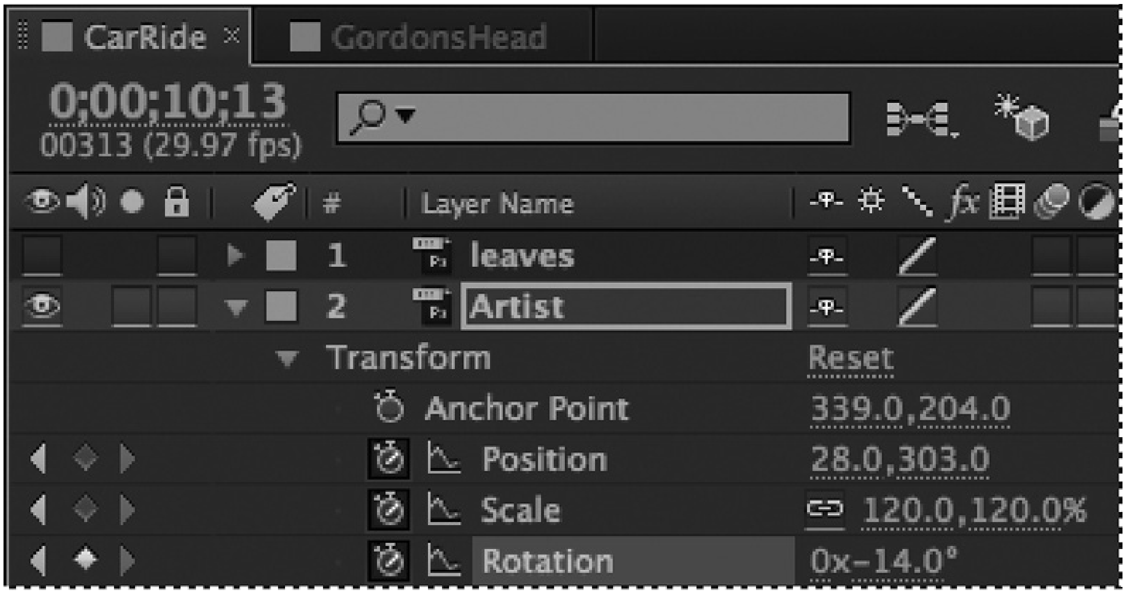


□5.31



□5.32

5. □□□10:13□□Rotation□□□□0x-14.0°□After Effects□□□□□□□□□□□□□□□□□□□□□5.33□□5.34□□□



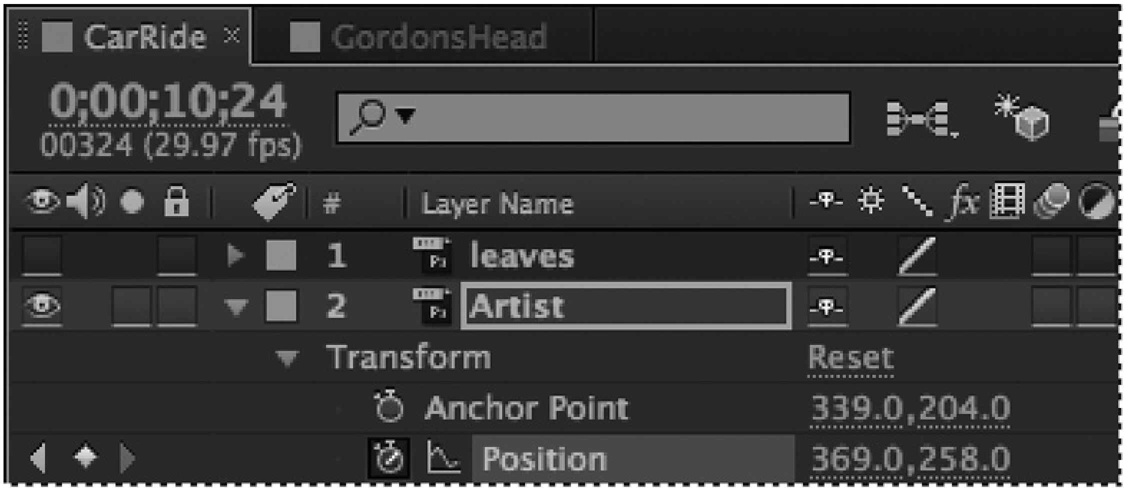
□5.33



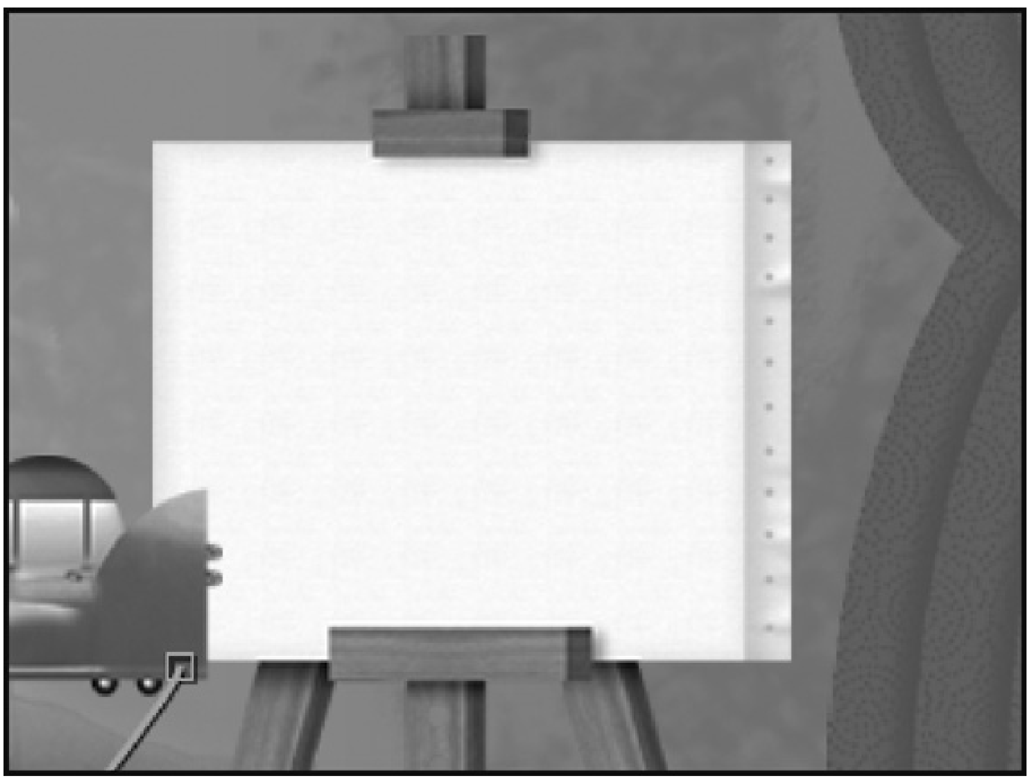
□5.34

□□□□□□□□□□□□□□□□□□

6. □□□10:24□□Artist□□□Position□□□□369□258□□After Effects□□□□□□□□□□5.35□□5.36□□□



□5.35



□5.36

5.5.2 □□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Timeline□□□Artist□□□□□□

2. □□Artist□□□Head□□□Motion Blur□□□ □□

□□

5.5.3 □□□□

□□□

1. □□leaves□□□Video□□□ □□□□□□□□□

2. □□Preview□□□□RAM Preview□□□□□□□□

3. □□File>Save□□□□□□□□□□

5.6 □□□□□□□□□□

□□□

5.6.1 □□□□□□□□□□□□□

□□

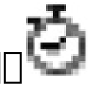
> **□□□**
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> □□□□□□□□□□□□□□□□□□□□□□□□□Vehicles□□□□□□□□□□□□□□□□□□□□□□□□□□□

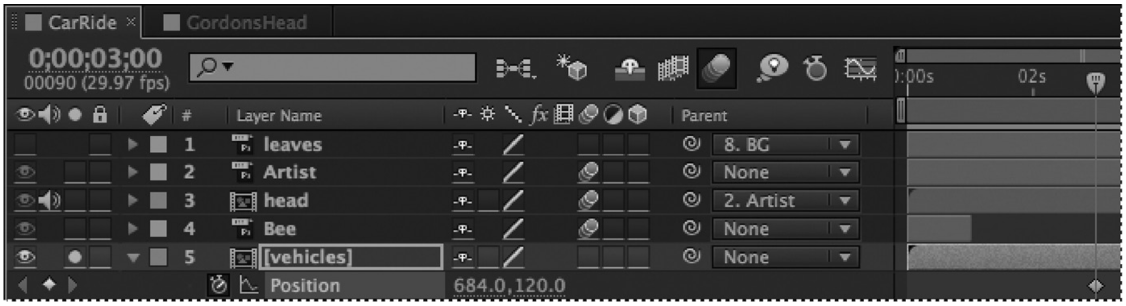
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2. □P□□□□□□□Position□□□

3. □□□3:00□

4. □Composition□□□□□Selection□□□ □□□□Vehicles□□□□□□□□□□□□□□□□□□□□□□□□□Shift□□□□□□□□□□□□□□□□□□□□□□□□□Vehicles□□□Position□□□□□□684□120□□

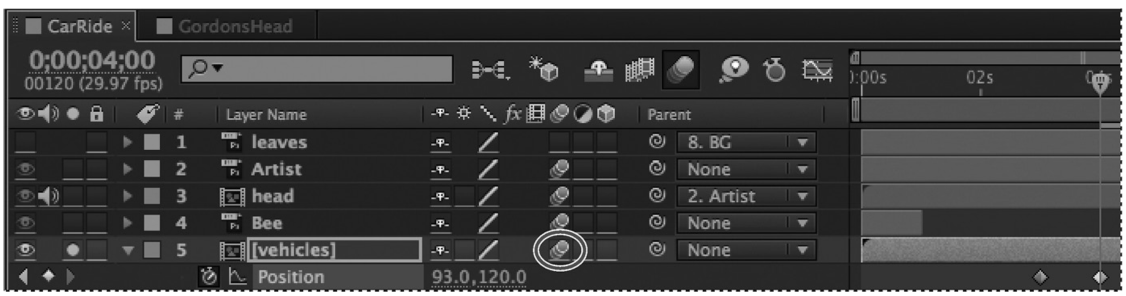
5. □□Vehicles□□□□□□□ □□□Vehicles□□□□Position□□□□□□5.37 □□□



□5.37

6. □□□4:00□□Composition□□□□□Vehicles□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□Position□□□□□□93□120□□After Effects□□□□□□□□□

7. □□Vehicles□□□□□□□□□□□□5.38□□□



□5.38

8. □Timeline□□□□□Vehicles□□□□□□P□□□□Position□□□

9. □□Vehicles□□□□□□□□□□□□□2:25□4:06□□□□□□□□□□□□□□□□□□□□ □□□□

5.6.2 □□□□□□□□□

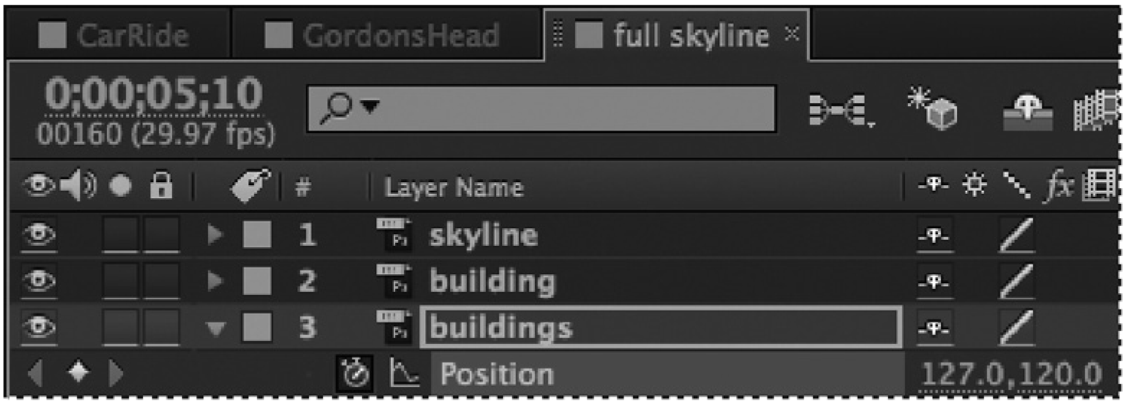
□□ □□“□□”□□□□□□□□□□□Full Skyline□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Project□□□□full skyline□□□□□□□□□□Timeline□Composition□□ □□□□□□

□□□□□□□□□3□□□Skyline□Building□Buildings□□□□□Buildings□
□□□□□

2. □□5:10□□□Timeline□□□Buildings□□□□□P□□□Position□□□

3. □□Buildings□□□□□□□ □□□□□□127□120□□□Position□□□□
□5.39□□5.40□□□

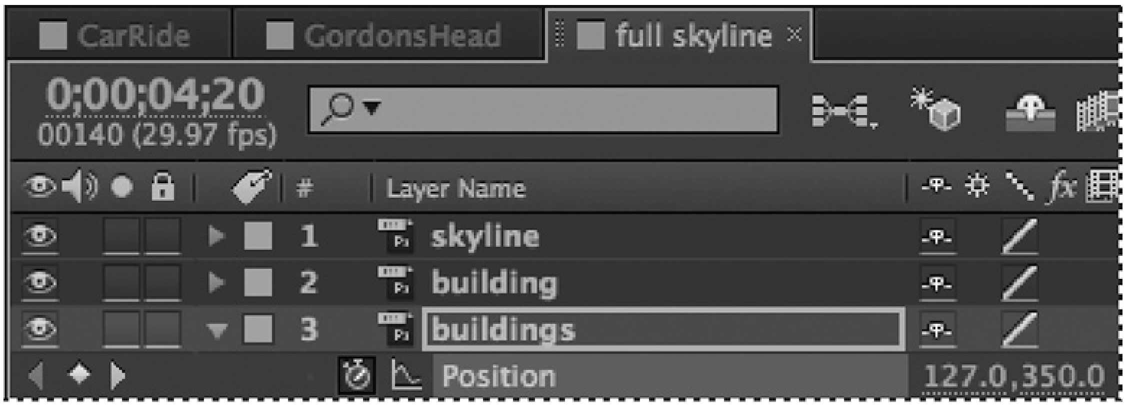


□5.39



□5.40

4. □□□4:20□□Composition□□□□□Selection□□□ □□□□□Buildings□□□□□□□□□□□□□□□□□□□□Position□□□*y* □□350□□□□□□□□□□□□□Shift□□□□□□□□□□After Effects□□□□□□□□□□□□5.41□□5.42□□□



□5.41

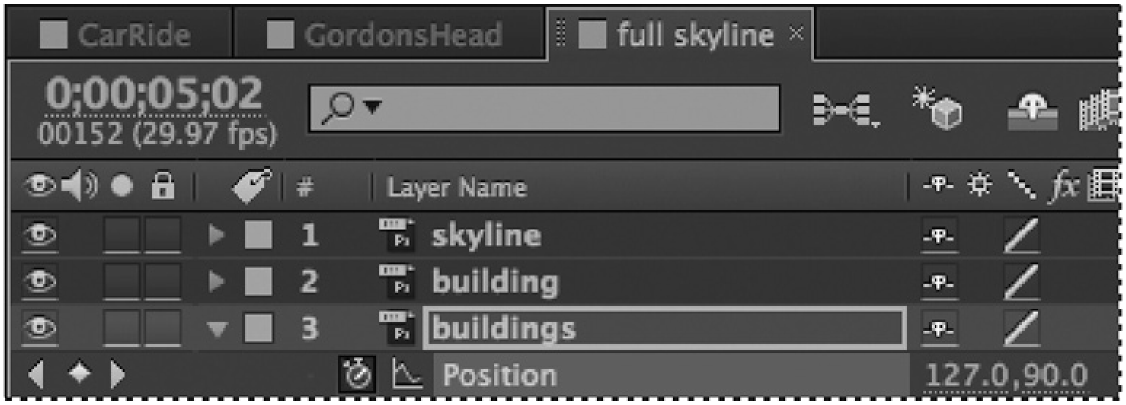


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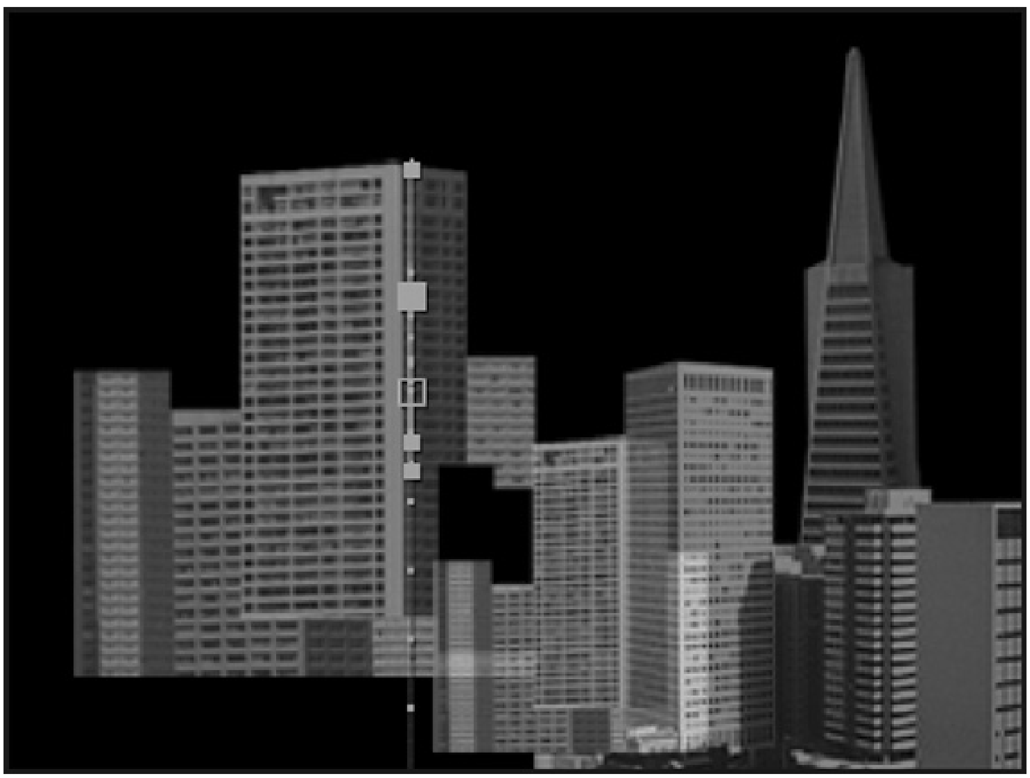
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5. □□□5:02□□Composition□□□□□□□Buildings□□□□□□Position□□□*y*
□□□□90□□□After Effects□□□□□□□□□□5.43□□5.44□□□



□5.43



□5.44

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5.6.3 □□□□□□□□

□□□□□□Easy Ease□□□□□□□□□□□□□□□□□□

1. □□□□□Windows□□□□□Control□□□□Mac OS□5:02□□□□□□□□□□Keyframe Assistant>Easy Ease□□□

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2. □□□□□□□□□4:20□□□5:10□□□□□□□□□□□□

5.6.4 □□□□□□□□

□□□Full Skyline Composition□□□□□□□□□□□□□□□□□□□Buildings□□□□□□□□□□□□□□□□□□□□——□□□□□□□□□□——□□□□□□□□□□□

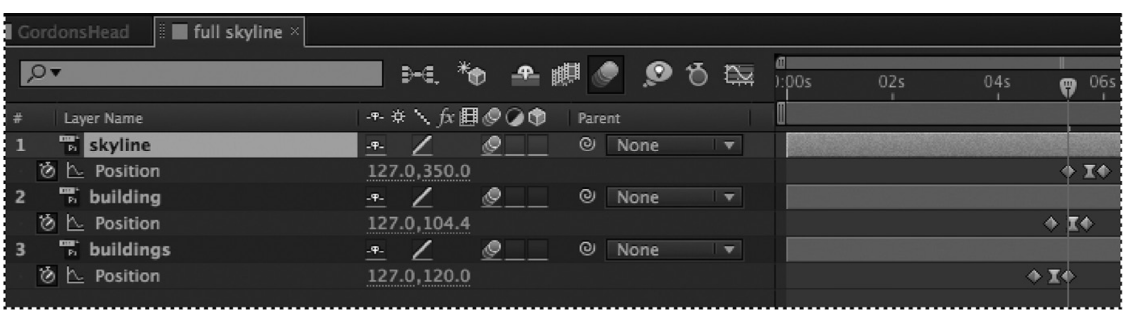
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2. □□□5:00□□Timeline□□□□□Building□□□□□□□Edit>Paste□□□□□□Ctrl+V□Windows□□□Command+V□Mac OS□□□□□□□□□□□□□□□□□□Position□□□□□□□□□□□□□□□□□□

3. □□□5:10□□□Skyline□□□□□□□□□Edit>Paste□□□□□□Ctrl+V□Windows□□□Command+V□Mac OS□□□□□□□□□□□□□□□□□□

4. □□Position□□□□□□□□□Building□□□□□□P□□□□□□□□□□□skyline□□□□□□□□□□□

5. □□□3□□□□□□□□□□□□□□□□CarRide Timeline□□□□□Full Skyline□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□5.45□□□



□5.45

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6. □□RAM□□□□□□□File>Save□□□□□□□

5.7 □□□□

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5.7.1 □□□□□□

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> □□□□
>
> □After Effects□□□□□□□□□□□□□□□□□□□□30000□□×30000□□□□After Effects□□□

1. □□CarRide Timeline□□□□□□□□

2. □□Layer>New>Solid□□□□Solid Settings□□□□□□□□□□□□radio waves□□□□□Make Comp Size□□□□□□OK□□□□□□□□

3. □Timeline□□□□□Radio Waves□□□□□□□BG□□□□□□□□□5.46□□5.47□□□

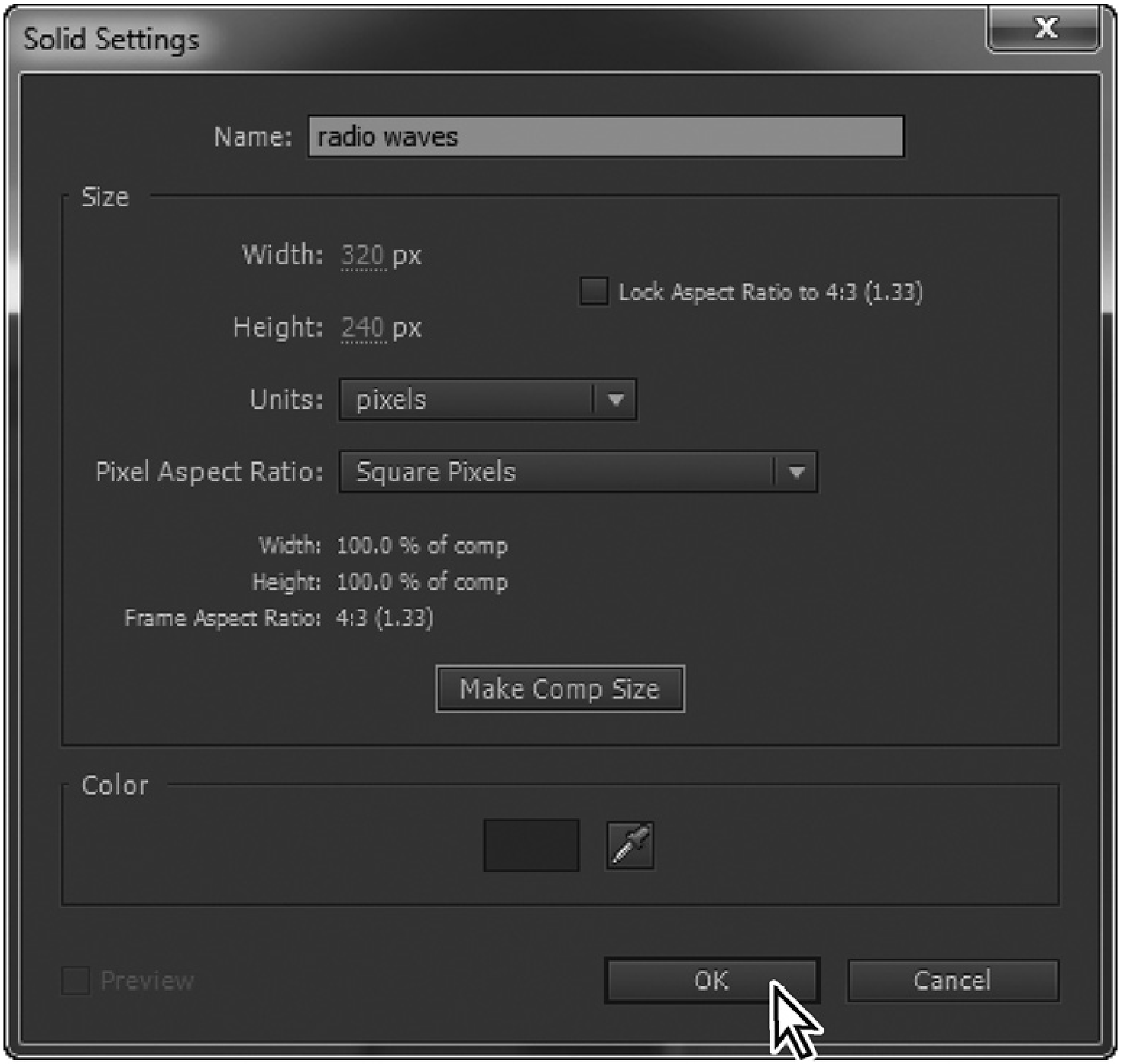
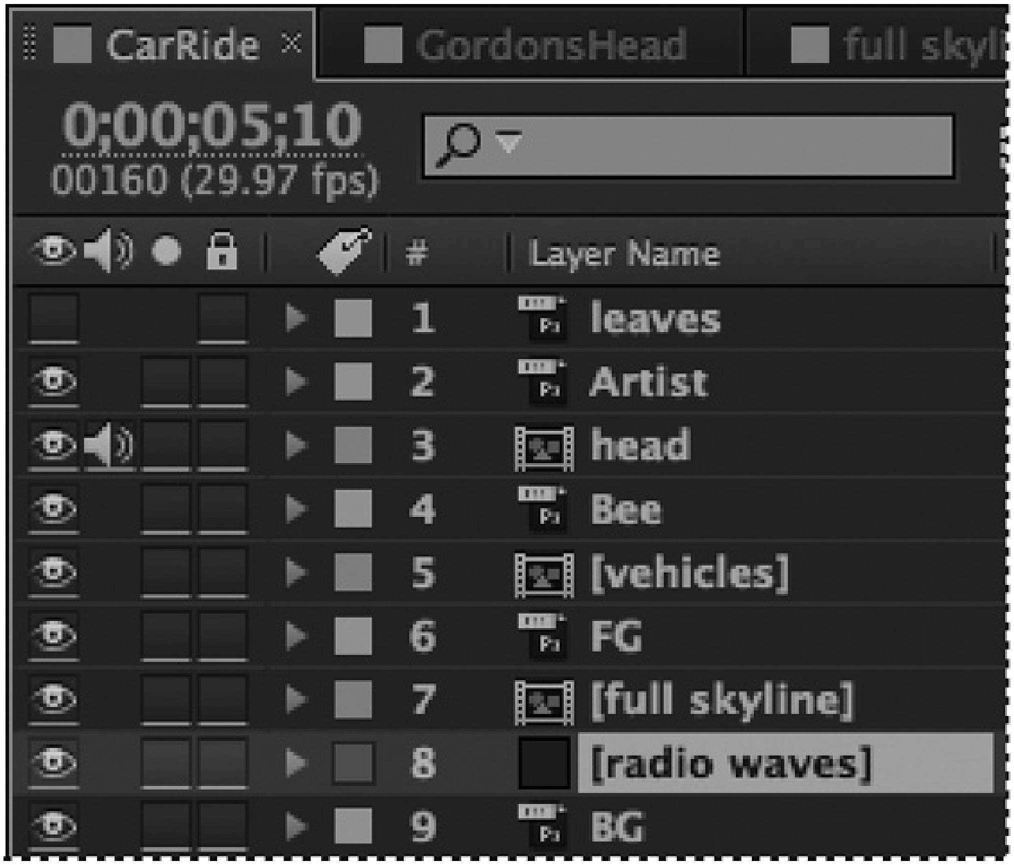

Solid Settings
Name: radio waves
Size
Width: 320 px
Lock Aspect Ratio to 4:3 (1.33)
Height: 240 px
Units: pixels
Pixel Aspect Ratio: Square Pixels
Width: 100.0 % of comp
Height: 100.0 % of comp
Frame Aspect Ratio: 4:3 (1.33)
Make Comp Size
Color
Preview
OK
Cancel

图5.46

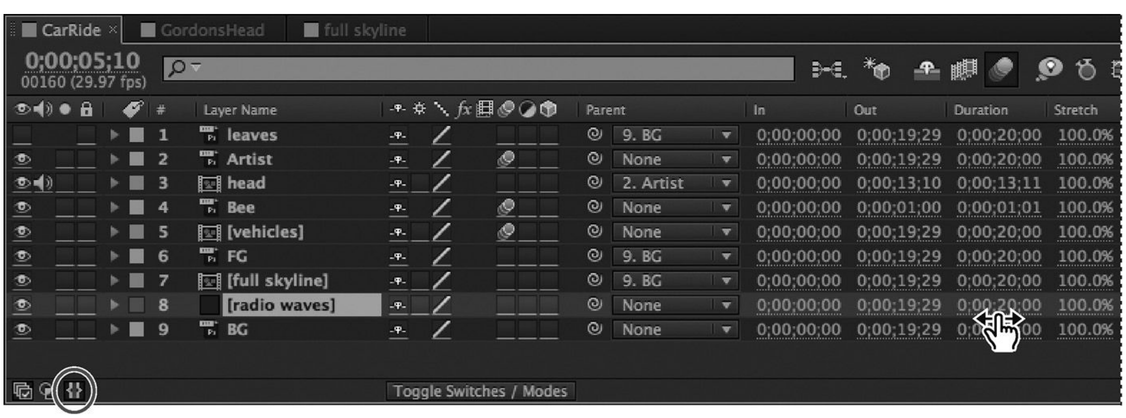


□5.47

□□□□□□Radio Waves□□

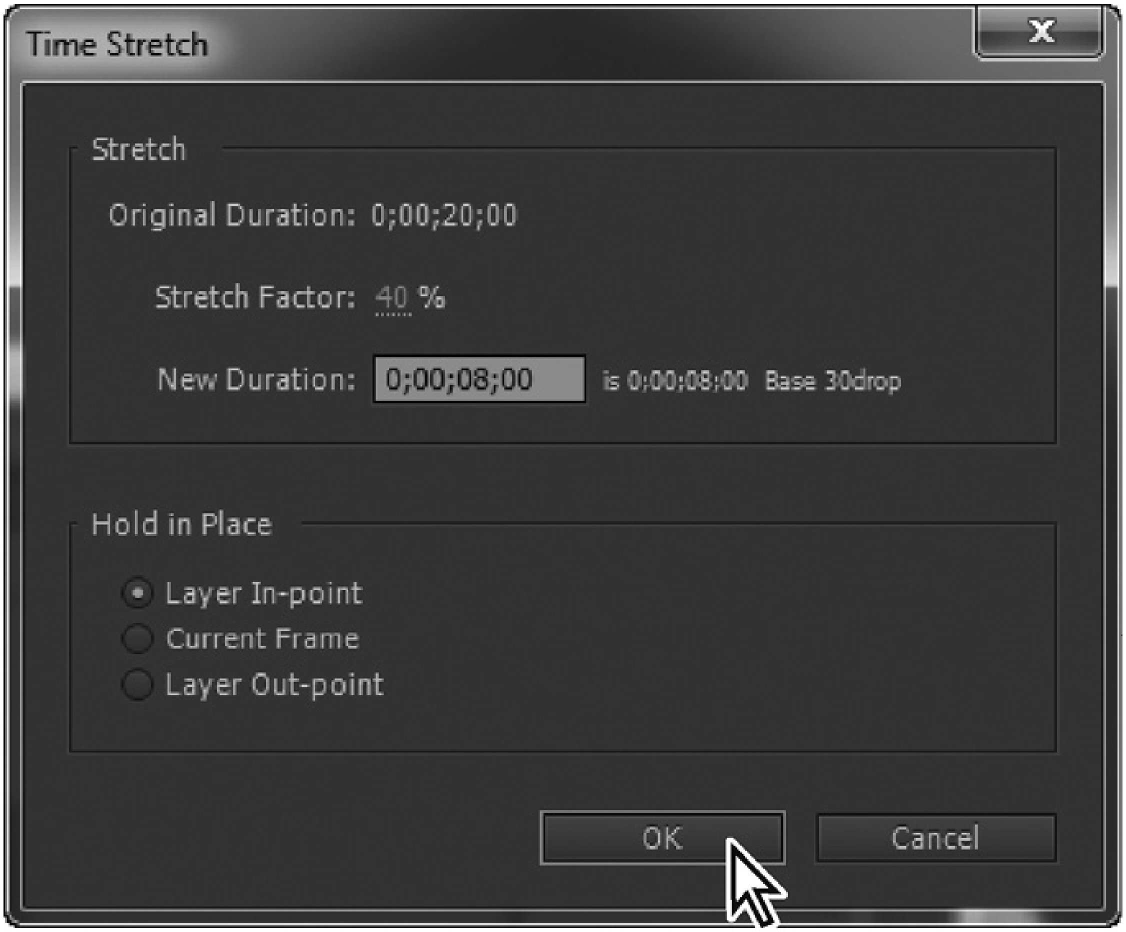
4. □□Timeline□□□□□□Expand Or Collapse The In\Out\Duration\Stretch Panes□□□ □□□□□□□4□□

5. □□Radio Waves□□□□□□Duration□□□□□□5.48□□□



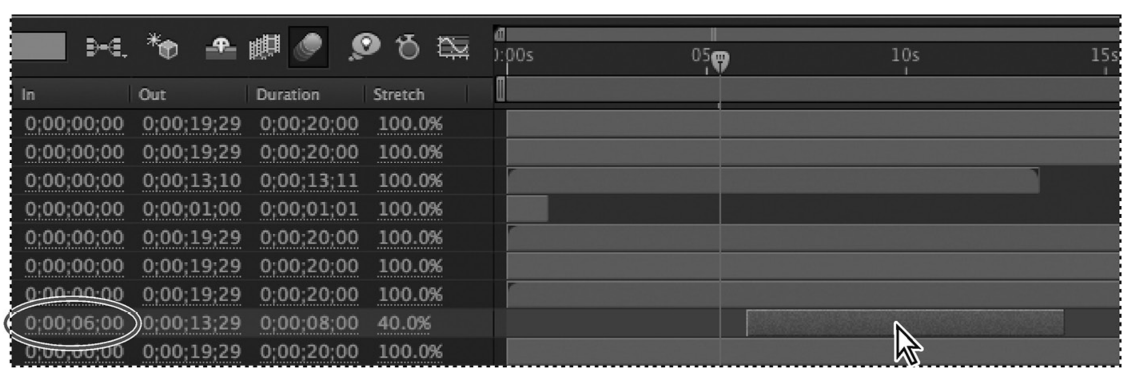
□5.48

6. □Time Stretch□□□□□New Duration□□□□8:00□□□□□OK□□□□□5.49□□□



□5.49

7. □□□□□□□□□radio waves□□□□□□□□□□□□□□□□□6:00□□□□□□□□□□In□□□□□□□□□6:00□□□□□□□□□□In□□□□5.50□□□



□5.50

8. □□□6:00□□□□□□□□□□□□□□

5.7.2 □□□□

□□□□□□□□□□□□□□□□□□

1. □Timeline□□□□□Radio Waves□□□□□□Effect>Generate>Radio Waves□□□

□□□□□□□□□□□□□□□□□Composition□□□□□□□□□□□

2. □Effect Controls□□□□□□Wave Motion□Stroke□□□□□□□□□□□□□□□□□□□□□□

- □Parameters Are Set At□□□□□Each Frame□
- □Expansion□□0.40□
- □Velocity□□1.00□
- □Color□□□□□R=255□G=255□B=255□□
- □Opacity□□□□□□□□0.50□
- □Start Width□End Width□□□3.00□□□5.51□□□

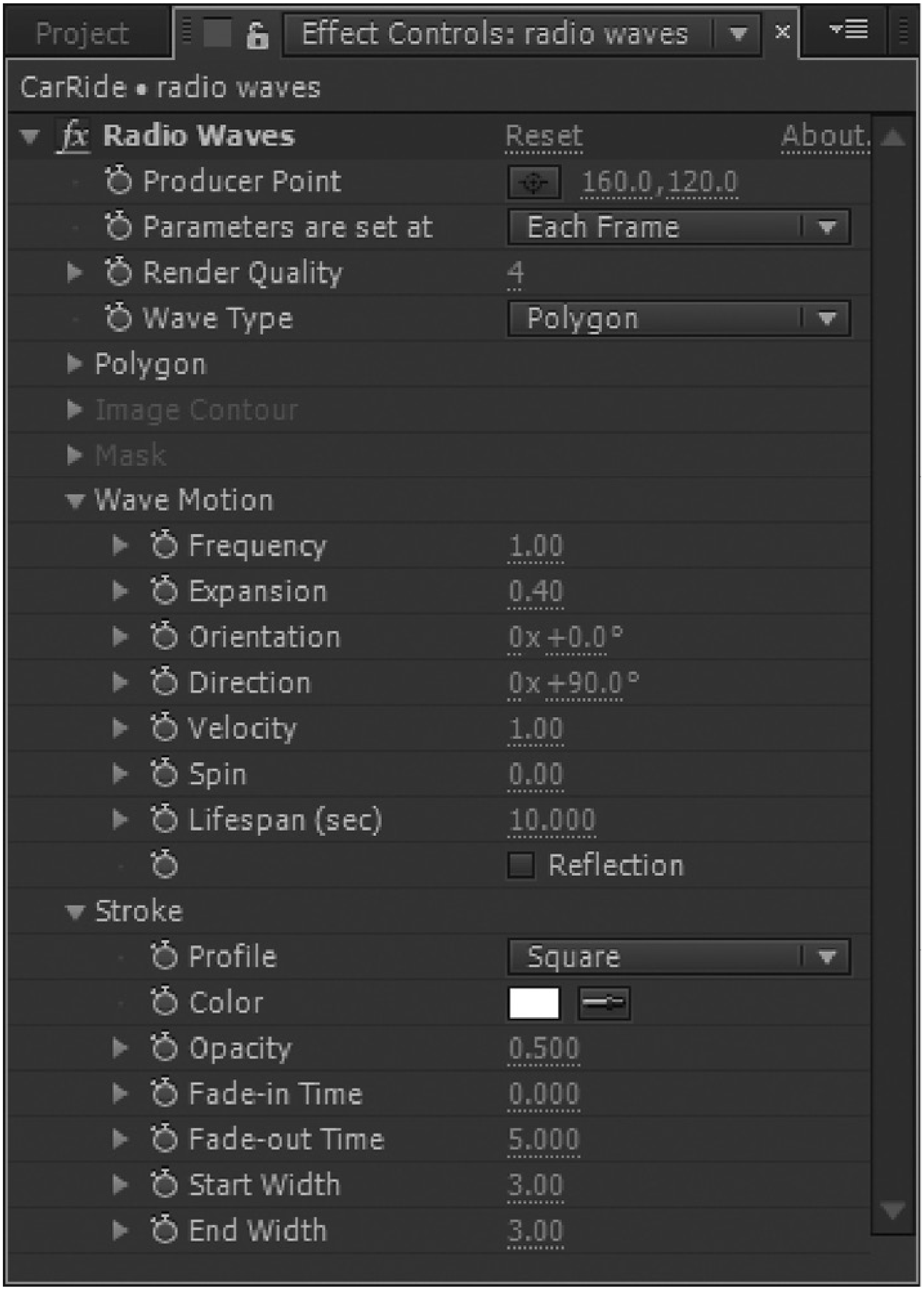
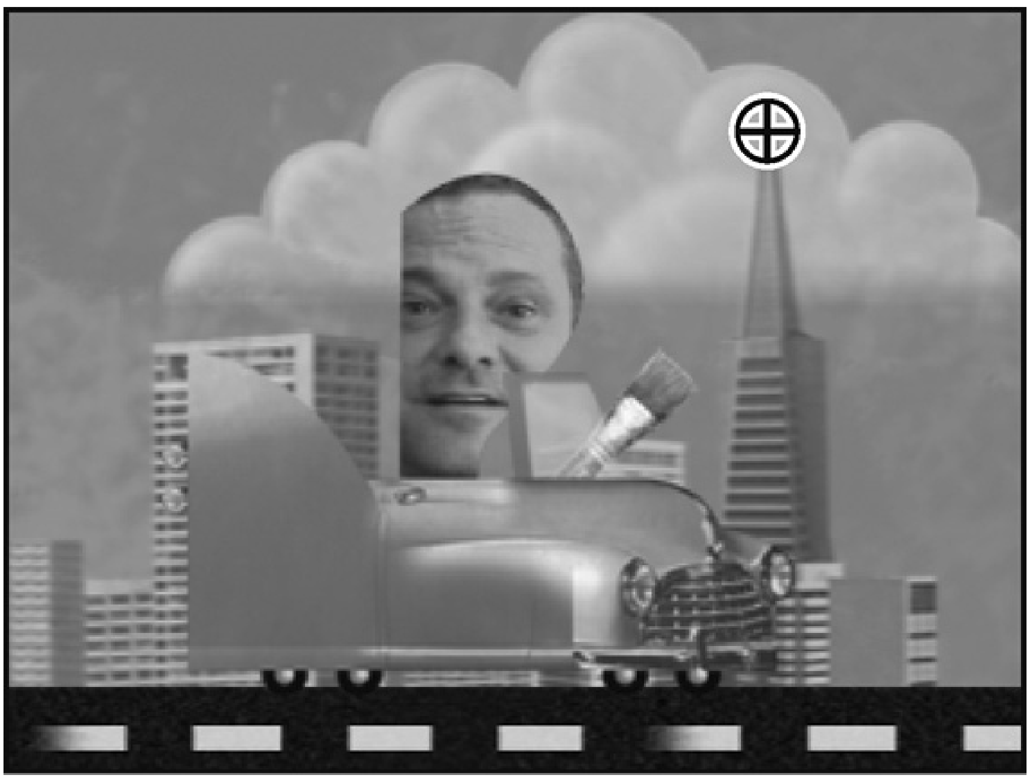

Project
Effect Controls: radio waves
CarRide • radio waves
Radio Waves
Reset
About.
Producer Point
160.0,120.0
Parameters are set at
Each Frame
Render Quality
4
Wave Type
Polygon
Polygon
Image Contour
Mask
Wave Motion
Frequency
1.00
Expansion
0.40
Orientation
0x +0.0°
Direction
0x +90.0°
Velocity
1.00
Spin
0.00
Lifespan (sec)
10.000
Reflection
Stroke
Profile
Square
Color
Opacity
0.500
Fade-in Time
0.000
Fade-out Time
5.000
Start Width
3.00
End Width
3.00

图5.51

3. □□□Effect Controls□□□□□□□□□□□□□□Producer Point□□□□□□□□□□□□□□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□5.52□□5.53□□□



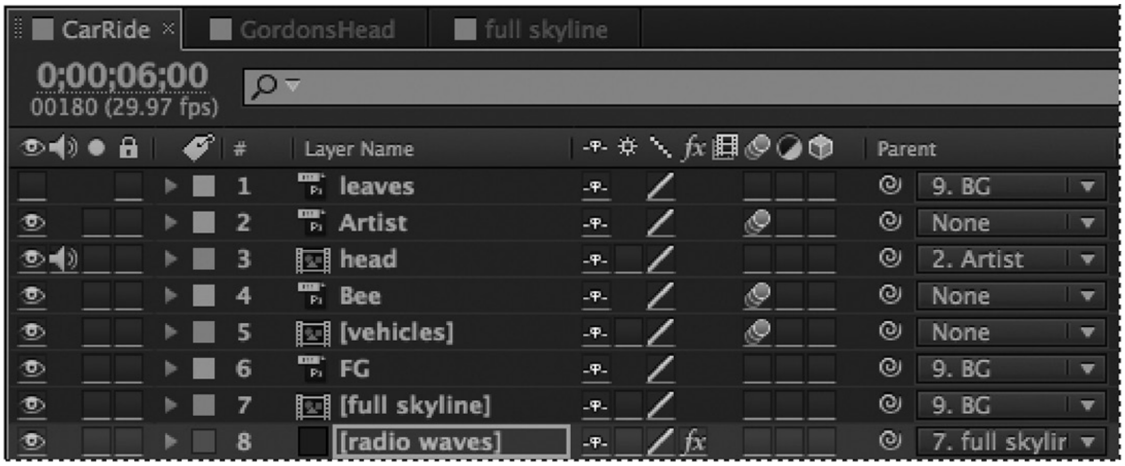
□5.52



□5.53

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Full Skyline□□□□Radio Waves□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

4. □Radio Waves□□□Parent□□□□□□□□□□□7.Full Skyline□□□5.54□□□



□5.54

5. □□□5:28□□□□□□□□□□□□□□□□□□□□Preview□□□□□From Current Time□□□□□□□□□□□□□□□□Preview□□□□

6. □□RAM Preview□□□ □□□□□□Radio Waves□□□□□RAM□□□

□□□□□□□□Timeline□□□

7. □□Expand Or Collapse The In\Out\Duration\Stretch Panes□□□ □□□□□□□□□□Home□□□□□□□□□□□□□□□□□□□□□□□□

8. □□File>Save□□□□□□□

5.8 □□□□□□□□

□□

5.8.1 □□□□□

□□□Adobe Bridge□□□□□□□

1. □□File> Browse In Bridge□□□□□□Adobe Bridge□

2. □Folders□□□□□□□□□□□□AECC_CIB\Lesson05\Assets□□□□

3. □□□□□“studer_”□□□□□□□Preview□□□□□□□□

4. □□Ctrl□□□□Windows□□□□□Command□□□□Mac OS□□□5□□□□□□□□□□□□□□□□□□□□□□□□□□After Effects□Project□□□□□□□□□□studer_Comcast.jp□studer_map.jpg□studer_music.jpg□studer_Puzzle.jpg□studer_Real_Guys.jpg□□□□□5.55□□□□



□5.55

5. □Adobe Bridge□□□□□□□□□□□

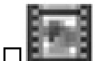
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□□□□□Bridge□□□□□□Browse In Bridge□□□□□□□□□□□□□□

5.8.2 □□□□□□□□

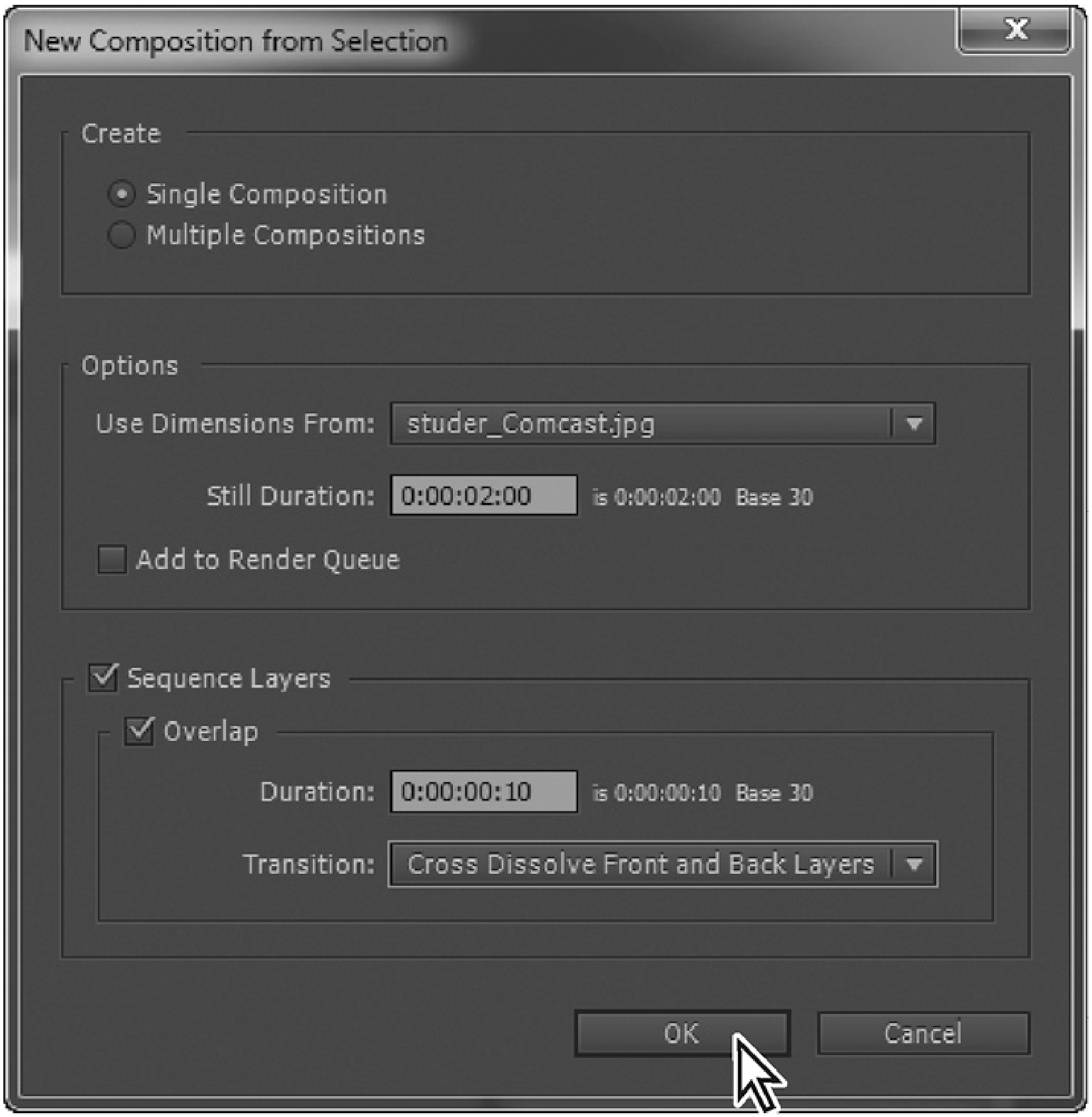
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1. □After Effects□□□□Project□□□□□Project□□□□

2. □□□□Project□□□□□□□□□□□□□Shift□□□□□□□5□Studer□□□□□□□□□□□□□□□□□Create A New Composition□□□  □□□

3. □New Composition From Selection□□□□□□□□□□□□□

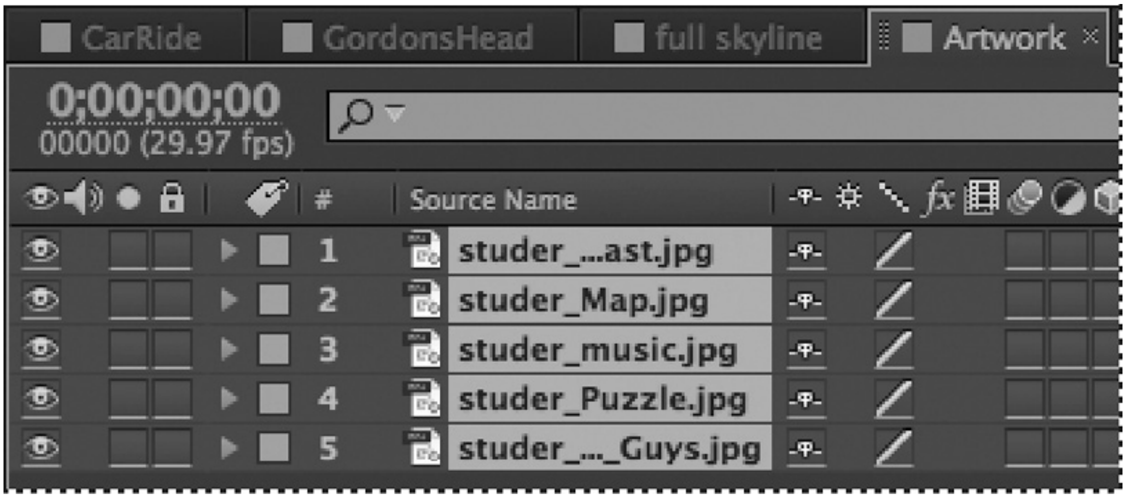
- □Create□□□Single Composition□
- □Options□□□□Still Duration□□2:00□
- □□Sequence Layers□Overlap□□□□
- □Duration□□0:10□
- □Transition□□□□□□□Cross Dissolve Front And Back Layers□
- □□OK□□□□□5.56□□□



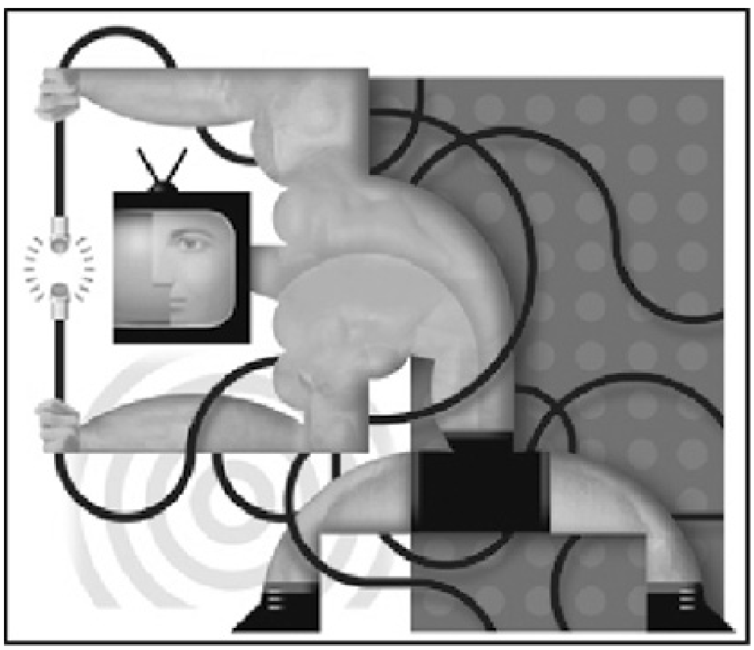
□5.56

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□OK□□□□After Effects□Composition□□□Timeline□□□□□□□□□□□□□□□□□□□□Project□□□Studer□□

4. □□Composition>Composition Settings□□□□□□□□□□□□Artwork□□□□□OK□□□□□5.57□□5.58□□□



□5.57



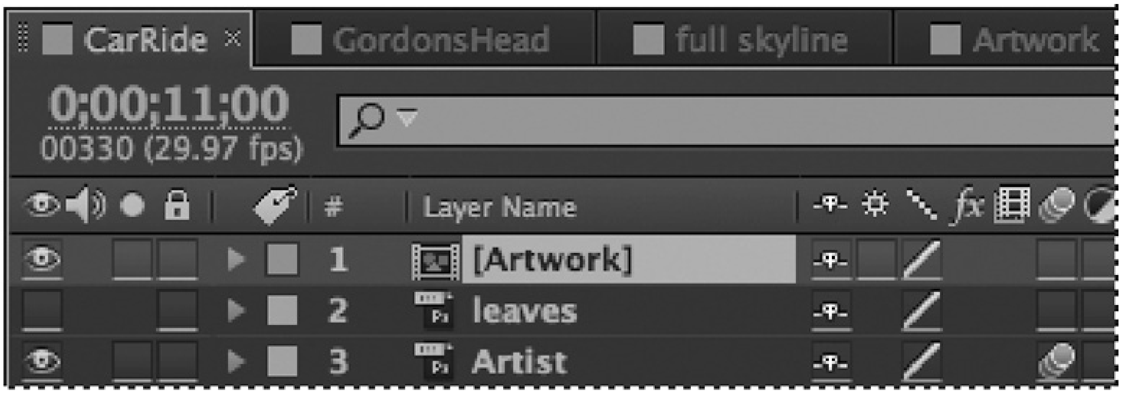
□5.58

5.8.3 □□□□□

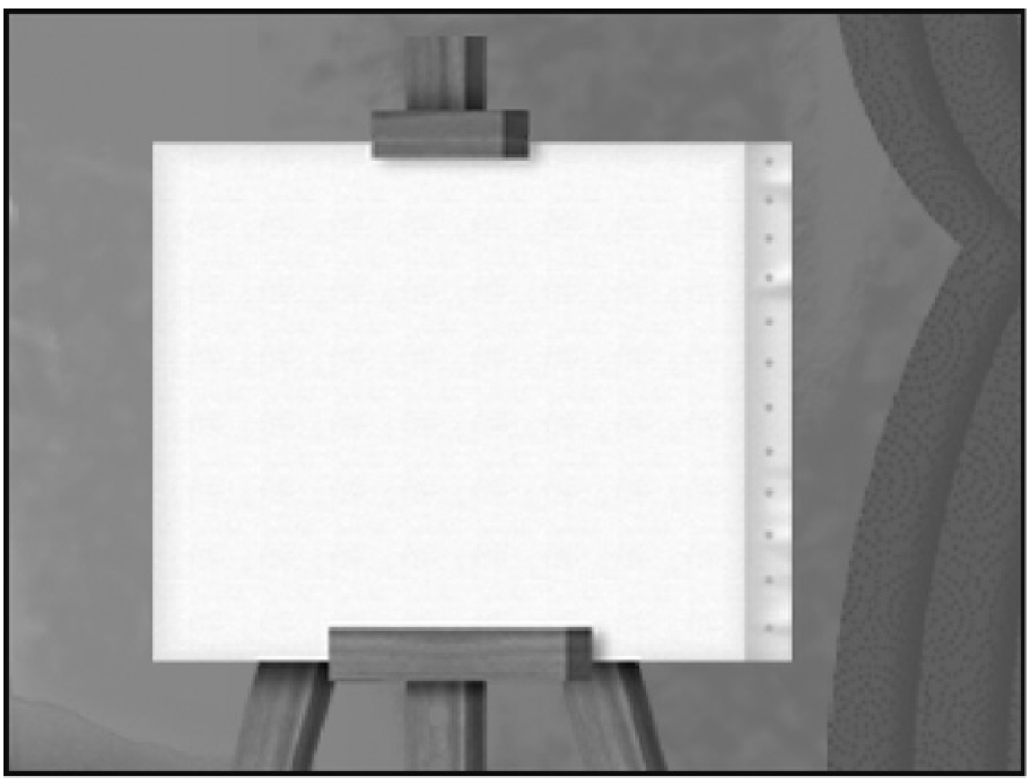
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1. □□□CarRide Timeline□□□□□□11:00□□□□□□□□□□□□□□□□□□

2. □Artwork□□□□□Project□□□□□CarRide Timeline□□□□□□□□□□□□□
□□□□5.59□□5.60□□□

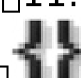


□5.59

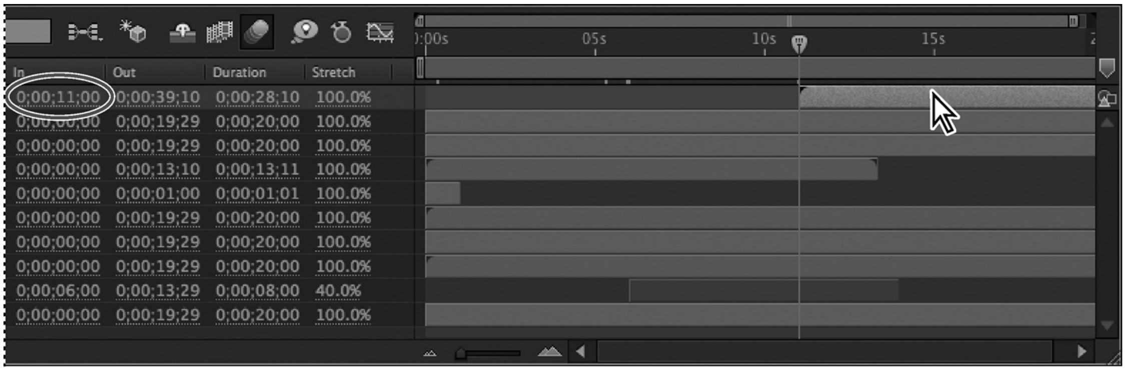


□5.60

□□Artwork□□□□□□0:00□□□□□□□□□□□□□□□□□□11:00□□□□

3. □□□□□□□□Artwork□□□□□□□□□□□□□□□□In□□11:00□□□Expand Or Collapse The In/Out/Duration/Stretch Panes□□□  □□□□□□□□□In□□

□□5.61□□□



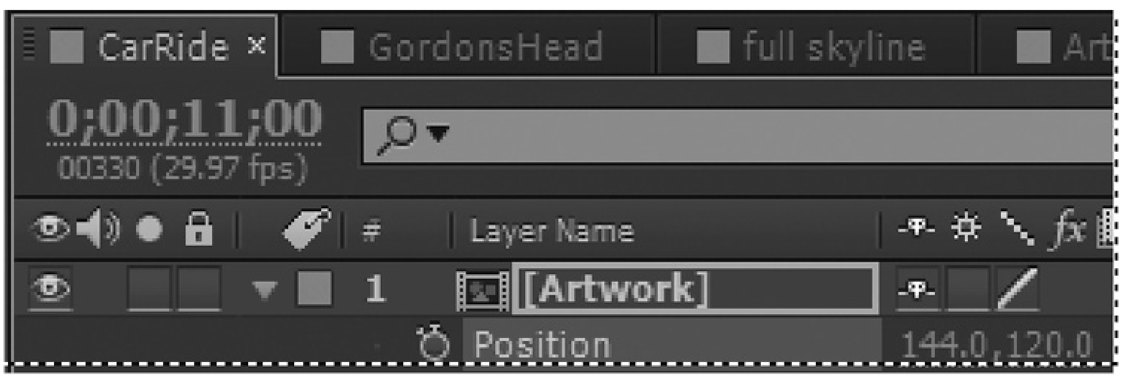
□5.61

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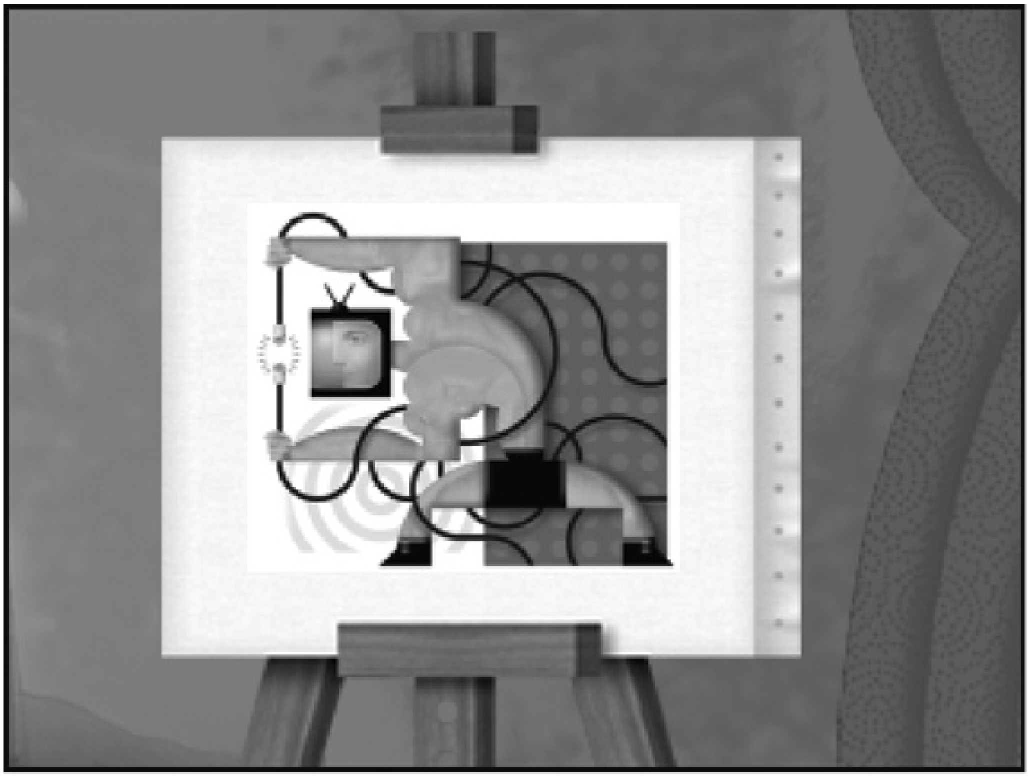
4. □□Timeline□□□□Artwork□□□□□□□S□□□□Scale□□□□□□Scale□□□□□□45□45%□□

5. □P□□□□Position□□□□□□xPosition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□144.0□□

6. □□Timeline□□□□Artwork□□□□□□□Layer>Blending Mode>Darken□□□□□□□□□□□□□□□□□□□□□□□□□□□□5.62□□5.63□□□



□5.62



□5.63

7. □□Preview□□□□RAM Preview□□□ ▶ □□□□□□□□RAM□□□□□□□□From Current Time□□□□□11:00□□□RAM□□□□

5.8.4 □□□□□□□□

□□□□□□□□□□□□□□□11:00□□□□□□□□□□□□□□Artwork□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Timeline□□□□Artwork□□□□□□T□□□□Opacity□□□

2. □□□11:00□

3. □Artwork□□□Opacity□□0%□□□□□□□□□□ ⏱ □□□□□□Opacity□□□□

4. □□□11:03□□Artwork□□□Opacity□□100%□After Effects□□□□□□□□□□□□□□□□□□□

5. □□□□□11:00□11:03□□□□□□□□□□□□□□□□□□□□5.64□□5.66□□□

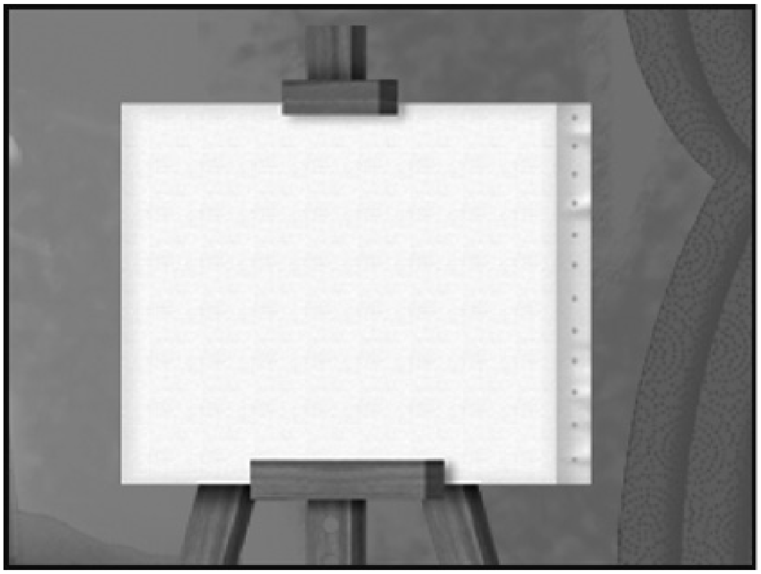


图5.64

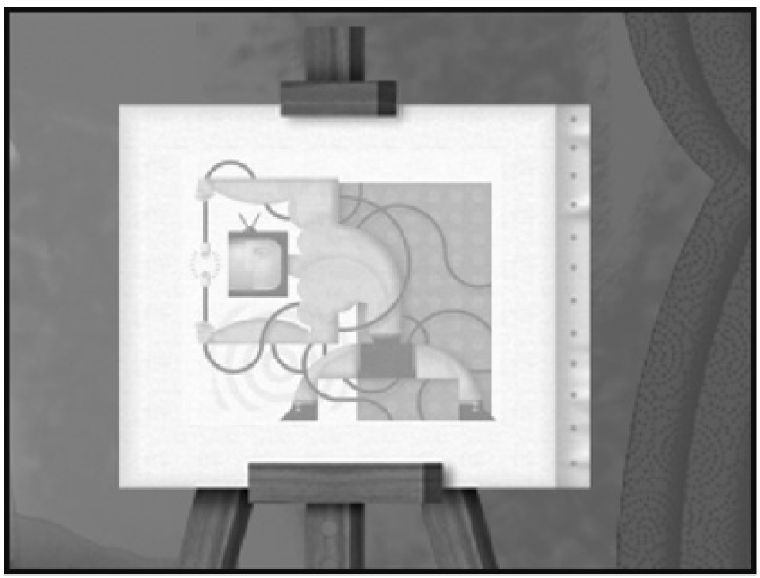
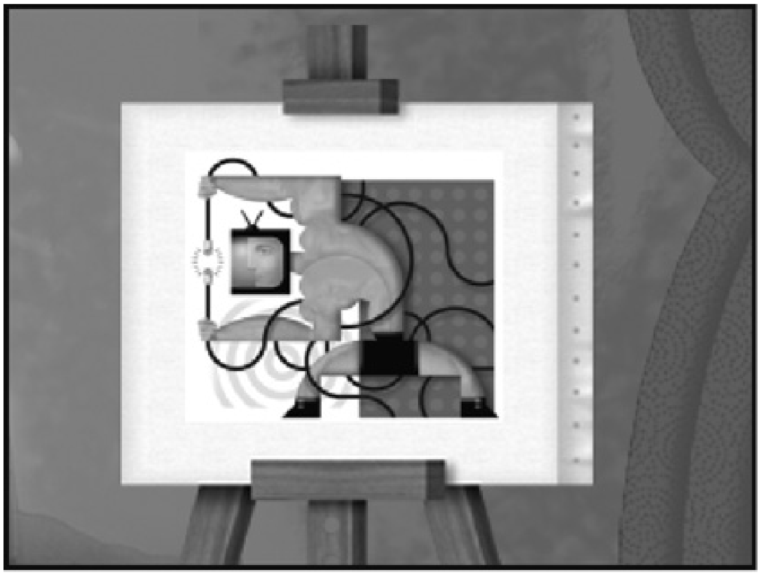


图5.65



□5.66

6. □Timeline□□□□Artwork□□□□T□□□□Opacity□□□□□File>Save □□□□□

5.9 □□□□

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1. □□File>Browse In Bridge□□□□□Adobe Bridge□

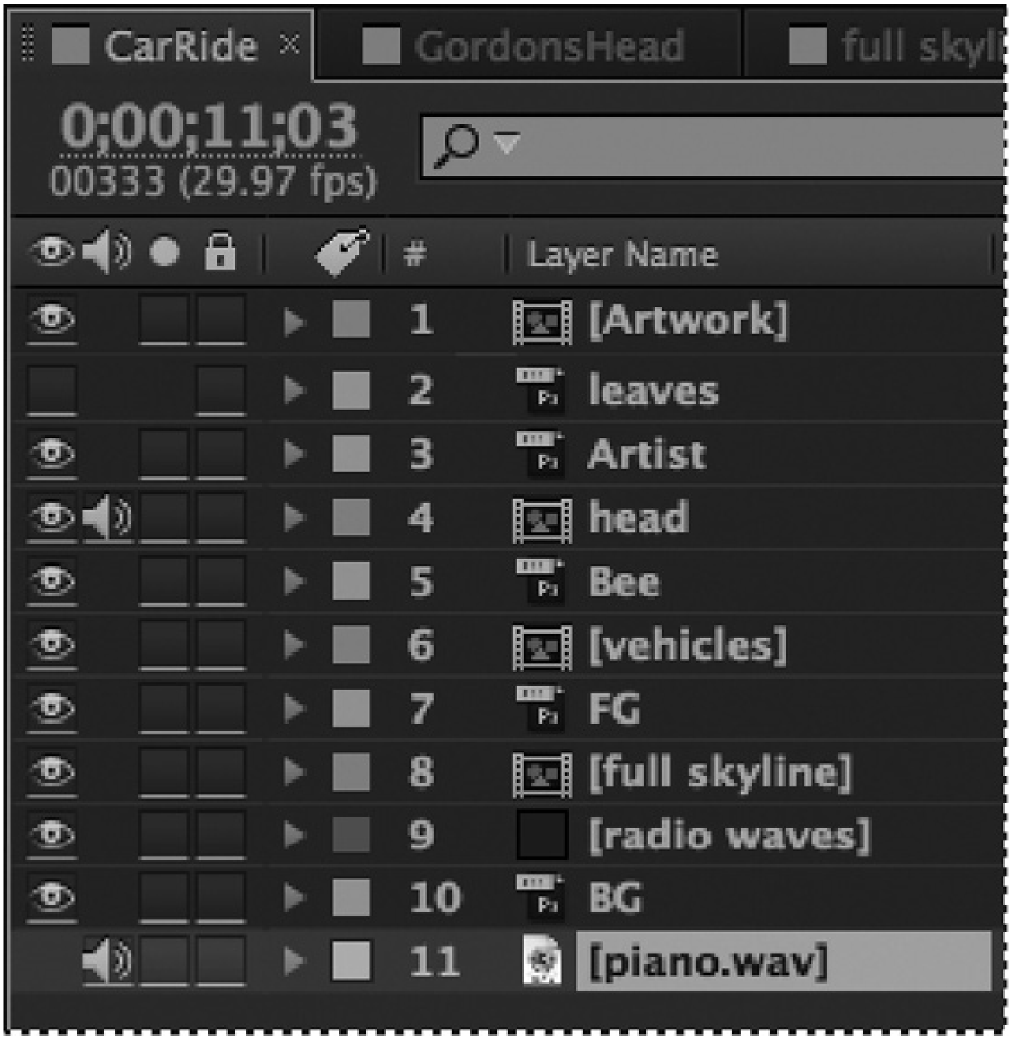
2. □Content□□□□□□piano.wav□□□□□

Adobe Bridge□□□□□□□□□□□□

3. □□□□□□□□□□□□□□□□□□□□□□Preview□□□□Play□□□ □□□□□□□□□□Pause□□□ □□□□□□□□□□□□

4. □□piano.wav□□□□□□□□□After Effects□Project□□□

5. □□□□Project□□□□□□□□□□□□□□piano.wav□□Project□□□□□CarRide□Timeline□□□□□□□□□□□□□□□□□□□5.67□□□



□5.67

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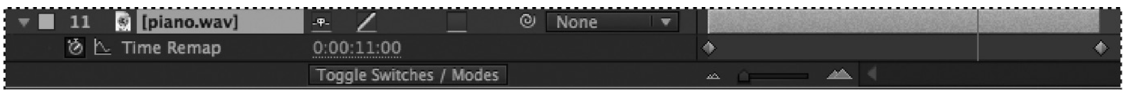
- Adobe Sound Document□ASND□□□□□□□□□□□□□□□□□□
- Advanced Audio Coding□ACC□M4A□□
- Audio Interchange File Format□AIFF□AIFF□□
- MP3□MP3□MPEG□MPG□MPA□MPE□□
- Video for Windows□AVI□WAV□□Mac OS□□□QuickTime□□
- Waveform□WAV□□

5.9.1 □□□□□

Piano□□□6□□□□□□□□□□□Time Remapping□□□

1. □Timeline□□□□□piano.wav□□□

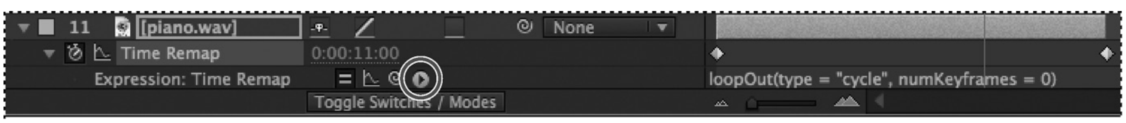
2. □□Layer>Time>Enable Time Remapping□□□Timeline□□□□□□□□□□□Time Remap□□□□□□□□□□□□□□□□□Time Remap□□□□□5.68□□□



□5.68

3. □□Alt□Windows□□□□Option□Mac OS□□□□□□Time Remap□□□□□□□□  □□□□□Time Remapping□□□□□□□□□Composition□□□□□□□□□□□□

4. □Piano□□□Expression: Time Remap□□□□□□Expression Language□□□□□□Property>loopOut□type =“cycle”□numKeyframes=0□□□□5.69□□□



□5.69

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5. □Timeline□□□□□piano□□□□□□□□□□□□□□□□□□Alt+]□Windows□□□Option+]□Mac OS□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□

6. □□piano□□□□□□□□□File>Save□□□□□□

5.10 □□□□□□□

□□□

1. □Project□□□□□CarRide□□□□□□□□□□□□Create A New Composition□□□ □□□

After Effects□□□□CarRide 2□□□□□□□□□Timeline□Composition□□□□□□□□□□□□□□□□□□□□□□□□

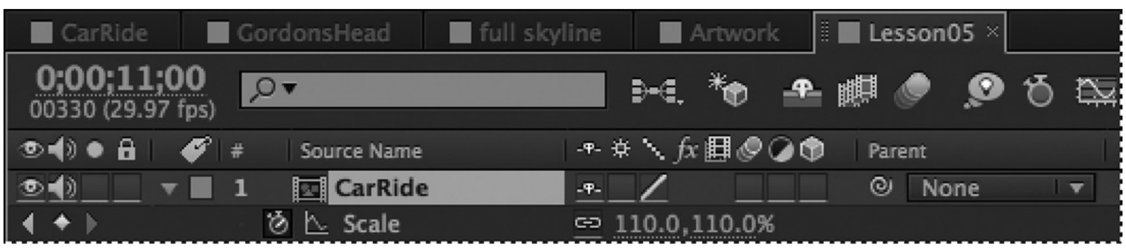
2. □□Project□□□□CarRide 2□□□□□□□Enter□□Return□□□□□□Lesson05□□□□□□□Enter□□Return□□□□□□□

3. □Lesson05 Timeline□□□□□□□10:24□□□□□□□□□□□□□□□□□□□

4. □Lesson05 Timeline□□□□□CarRide□□□□□□S□□□□Scale□□□

5. □□□□□□□ □□□Scale□□□□□□□□100□100%□□

6. □□□11:00□□Scale□□□□□110□110%□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□5.70□□□



□5.70

7. □□CarRide□□□□□S□□□□Scale□□□

5.10.1 □□□□□□□□

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1. □Preview□□□□□□□□From Current Time□□□□□□□□RAM Preview□□□ □□□□□□□□□□□RAM□□□

2. □□□□□□□□□□□□□□

3. □□File>Save□□□

[illegible]After Effects[illegible]

[illegible]

[illegible]Adobe Audition[illegible]

[illegible]After Effects[illegible]Adobe Audition[illegible]Adobe Creative Cloud[illegible]Audition[illegible]

Audition[illegible]RAM[illegible]After Effects[illegible]

1[illegible] [illegible]Lesson05_Finished.aep[illegible]

2[illegible] [illegible]Project[illegible]piano.wav[illegible]Adobe Audition[illegible]Edit>Edit[illegible]

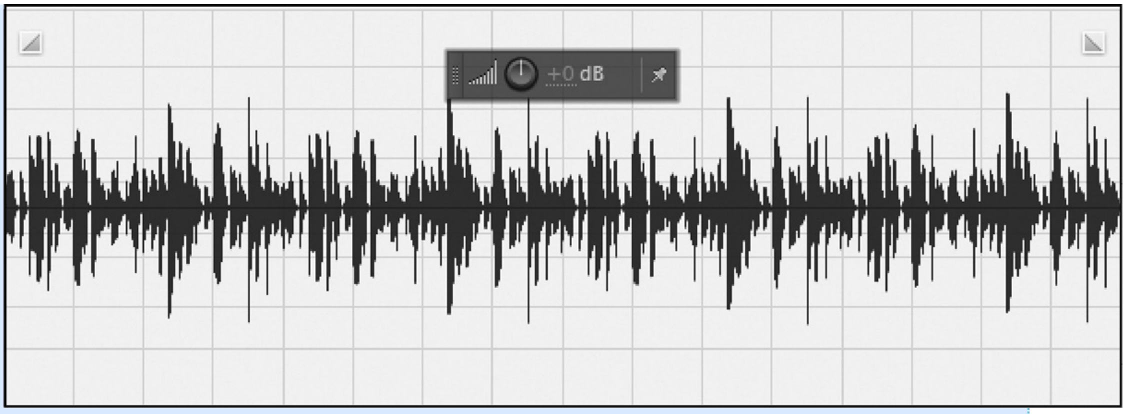
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4[illegible] [illegible]Effects > Time And Pitch > Stretch And Pitch[illegible]

5[illegible] [illegible]Effects-Stretch And Pitch[illegible]Stretch[illegible]100%[illegible]Pitch Shift[illegible]20[illegible]OK[illegible]5.71[illegible]5.72[illegible]



[illegible]5.71



□5.72

□□□□□□□Audition□□Editor□□□□□□□□

6□ □□Play□□□□□□□□□

7□ □□File>Save□□□

8□ □After Effects□□□□RAM□□□□□□□□□□□□□□□□□□□

5.11 □□□□□

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1. After Effects□□□□□□□□Position□□□

2. □□□□□□□□□□□□□□□□□□

3. After Effects□□□□□□□□□□□□□□□□

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1. □□Position□□□□□□□□□□After Effects□□Composition□□□□□□□□□□□□□Layer□□□

2. □After Effects□□□□□□□□□□□□□□□30000□□×30000□□□□□□□□□After Effects□□

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3. □□□□□□□□□□□□□□After Effects□Adobe Sound Document □ASND□□□□□□□□□□□□□Advanced Audio Coding□ACC□M4A□□ Audio Interchange File Format□AIFF□AIFF□□MP3□MP3□MPEG□MPG□ MPA□MPE□□Video for Windows□AVI□WAV□□Mac OS□□□QuickTime□□ □Waveform□WAV□□

□6□ □□□□□□□□□

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- □Adobe Photoshop□□□□□□□□□□□
- □□Pick Whip□□□□□□□
- □□□□□Photoshop□□□□□
- □□Track Matte□□□□□□□□□□
- □□Corner Pin□□□□□□□□□□□□
- □□□□□□□Lens Flare□□□
- □□Time Remapping□Layer□□□□□□□□□□□□□□□□
- □Graph Editor□□□Time Remap□□□□

□□□□□□1□□□□□□□□□After Effects□□□□□□□□□□□Lesson06□□□□□□□□□□□□□□□□□□□□□□□□□Lessons□□□□□□□Lessons□□□



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□□□□□□□Photoshop□□□□□□□□□□□□□□□□□□

6.1 □□

Adobe After Effects□□□□□□□□□□□□Photoshop□□□□□□□□□□□□□□□□□□□Photoshop□□

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1. □□□□□□□□□□□□□AECC_CIB\Lessons\Lesson06□□□□

- Assets□□□□clock.mov□sunrise.psd□
- Sample_Movie□□□□Lesson06_regular.mov□ Lesson06_retimed.mov□

2. □□□□□□Lesson06_regular.mov□□□□□□□□□□□□□□□□□□□□□

3. □□□□□□Lesson06_retime.mov□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

4. □□□□□□□□QuickTime Player□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□“□□□□□□”□

5. □□After Effects□□□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□OK□□□□□Close□□□□□□Welcome□□□

After Effects□□□□□□□□□□□□□□□

6. □□File>Save As>Save As□□□

7. □Save As□□□□□□□□AECC_CIB\Lessons\Lesson06\Finished_Project□□□□

8. □□□□□□□Lesson06_Finished.aep□□□□□Save□□□

6.1.1 □□□□

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1. □□Project□□□□□□□□□□□Import File□□□□

2. □□□□□□□AECC_CIB\Lessons\Lesson06\Assets□□□□□□□□sunrise.psd□□□

3. □Import As□□□□□□Composition-Retain Layer Sizes□□□□□□□□□□□□□□□□□□□□□□□□□

4. □□Import□□Open□□□

5. □Sunrise.psd□□□□□□□Import Kind□□□□□□□□Composition-Retain Layer Sizes□□□□□OK□□□□□6.1□□□



□6.1

□□□□□□□□□□□□□□□□□□□□□□□□□□□

6. □Project□□□□□□sunrise Layers□□□□□□Photoshop□□□□□□□□□□□□□Name□□□□□□□□□□□□□6.2□□□

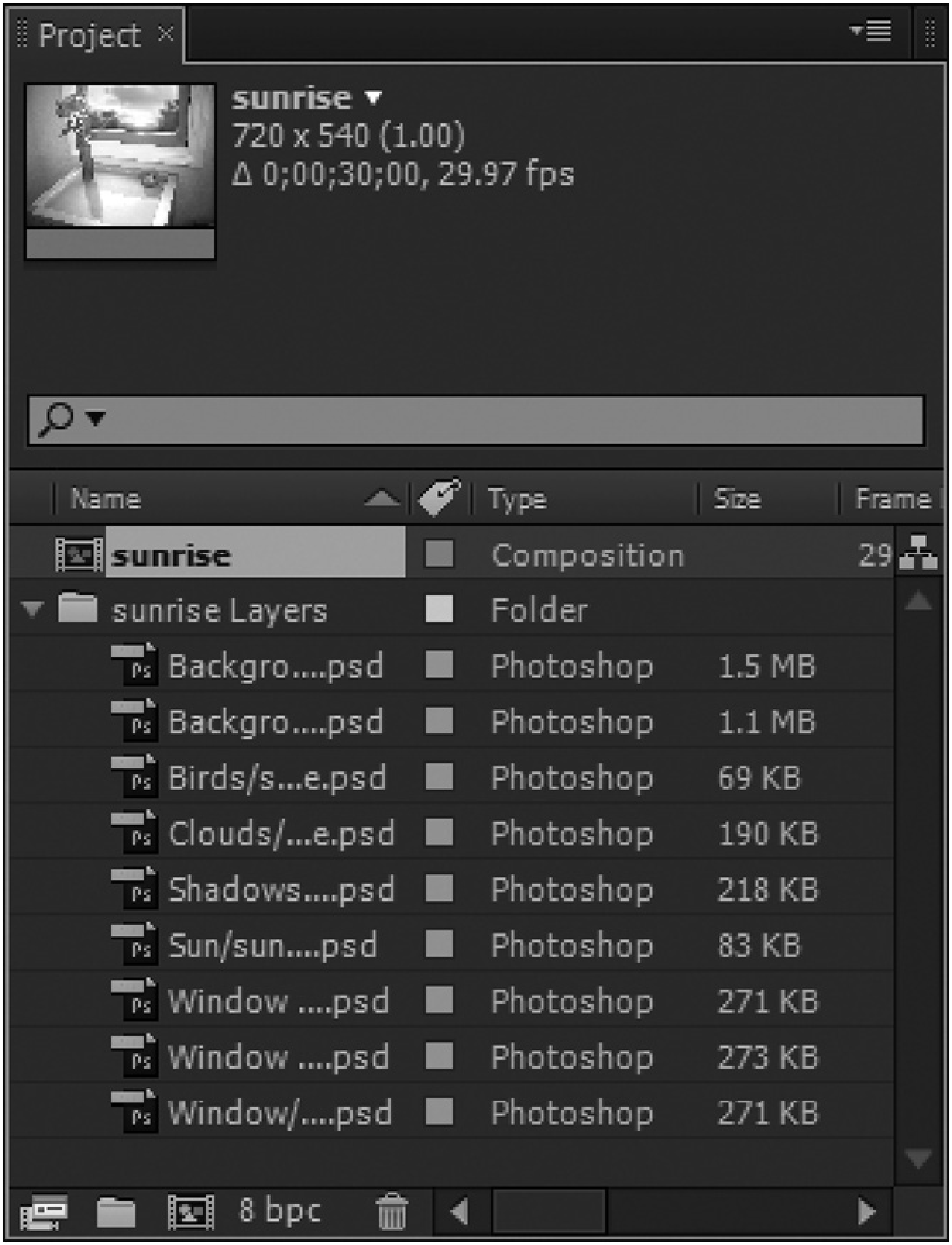

Project
sunrise
720 x 540 (1.00)
Δ 0;00;30;00, 29.97 fps
Name
Type
Size
Frame
sunrise
Composition
29
sunrise Layers
Folder
Backgro....psd
Photoshop
1.5 MB
Backgro....psd
Photoshop
1.1 MB
Birds/s...e.psd
Photoshop
69 KB
Clouds/...e.psd
Photoshop
190 KB
Shadows....psd
Photoshop
218 KB
Sun/sun....psd
Photoshop
83 KB
Window ....psd
Photoshop
271 KB
Window ....psd
Photoshop
273 KB
Window/....psd
Photoshop
271 KB
8 bpc

图6.2

正如After Effects使用图层将多个效果合成在一起——元素可以重叠到其他元素上——可以对作品中的图层进行同样的处理。本课的素材包含几个图层：窗户后面的图片位于名为Background的图层中，其中包含旭日发出光芒的图片是另外一个图层，即Background Lit（阳光照耀下的背景），而窗户框架和玻璃分别位于名为Window、Window Lit（亮）和Window Pane的图层中，在Photoshop中打开它们时可以看到图层独立的效果。

After Effects可以将Photoshop文件中的所有图层都作为单独的元素导入进来，就好像这是一个合成一样，在这个合成中可以用动画分别表现每个元素或组合图层。

关于Photoshop图层样式

如果在Photoshop文件中使用图层样式，那么在将它们作为合成导入时，可能需要记住以下要点，以得到最佳效果：

- 如果所用图层样式不受Photoshop支持，那么After Effects会忽略这个图层样式。After Effects会忽略它们以及混合模式所造成的任何影响。如果想保留效果，After Effects会将它们导入，并在Project窗口中将其作为可编辑的图层。
- 所有的图层样式都在编辑之前作为一个层。

6.1.2 创建动态效果

现在可以处理从Photoshop文件中导入的各个合成。

1. 在Project面板中双击sunrise合成，使其出现在Composition面板和Timeline面板中，如图6.3和6.4所示。

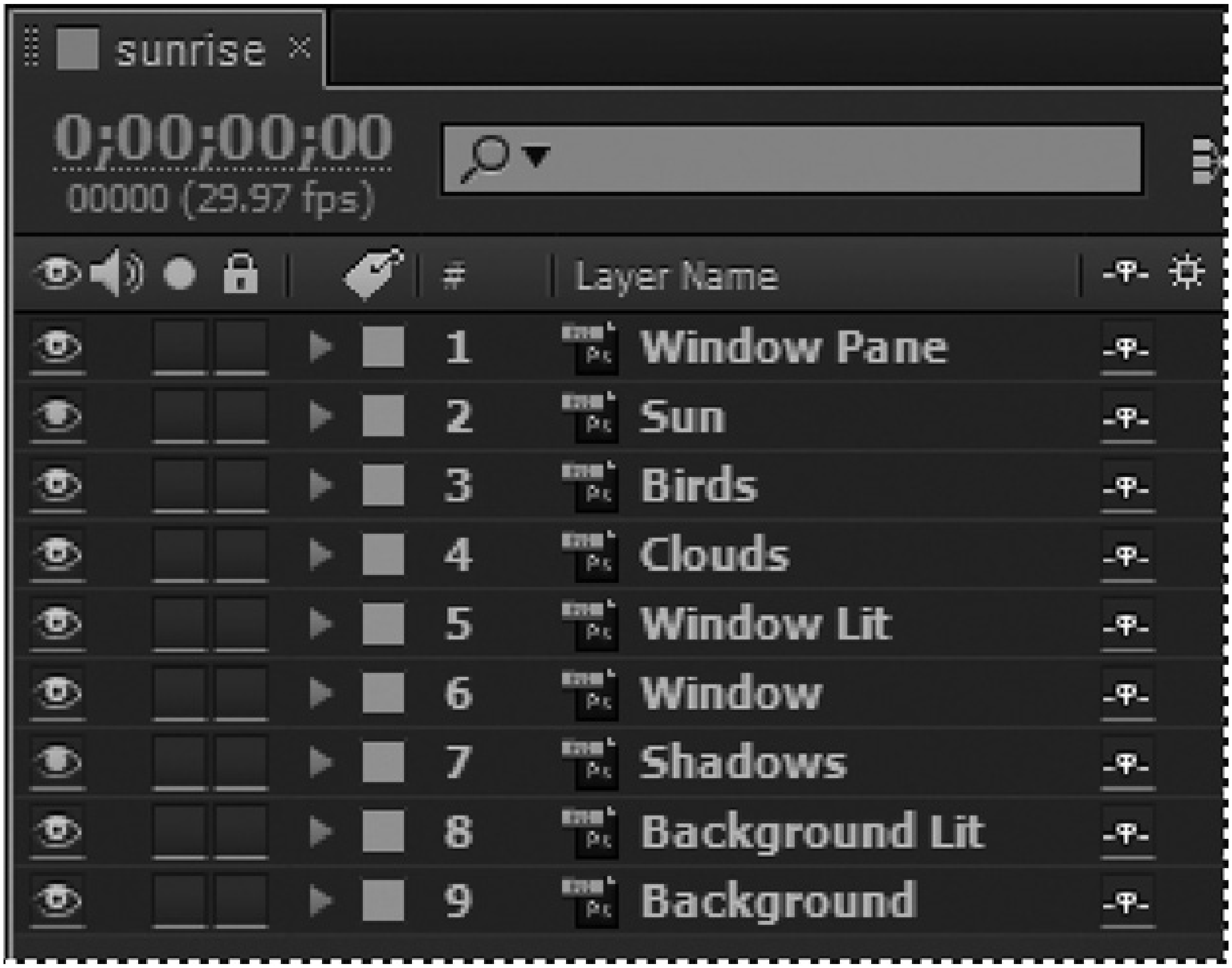

sunrise
0;00;00;00
00000 (29.97 fps)
#
Layer Name
1
Window Pane
2
Sun
3
Birds
4
Clouds
5
Window Lit
6
Window
7
Shadows
8
Background Lit
9
Background

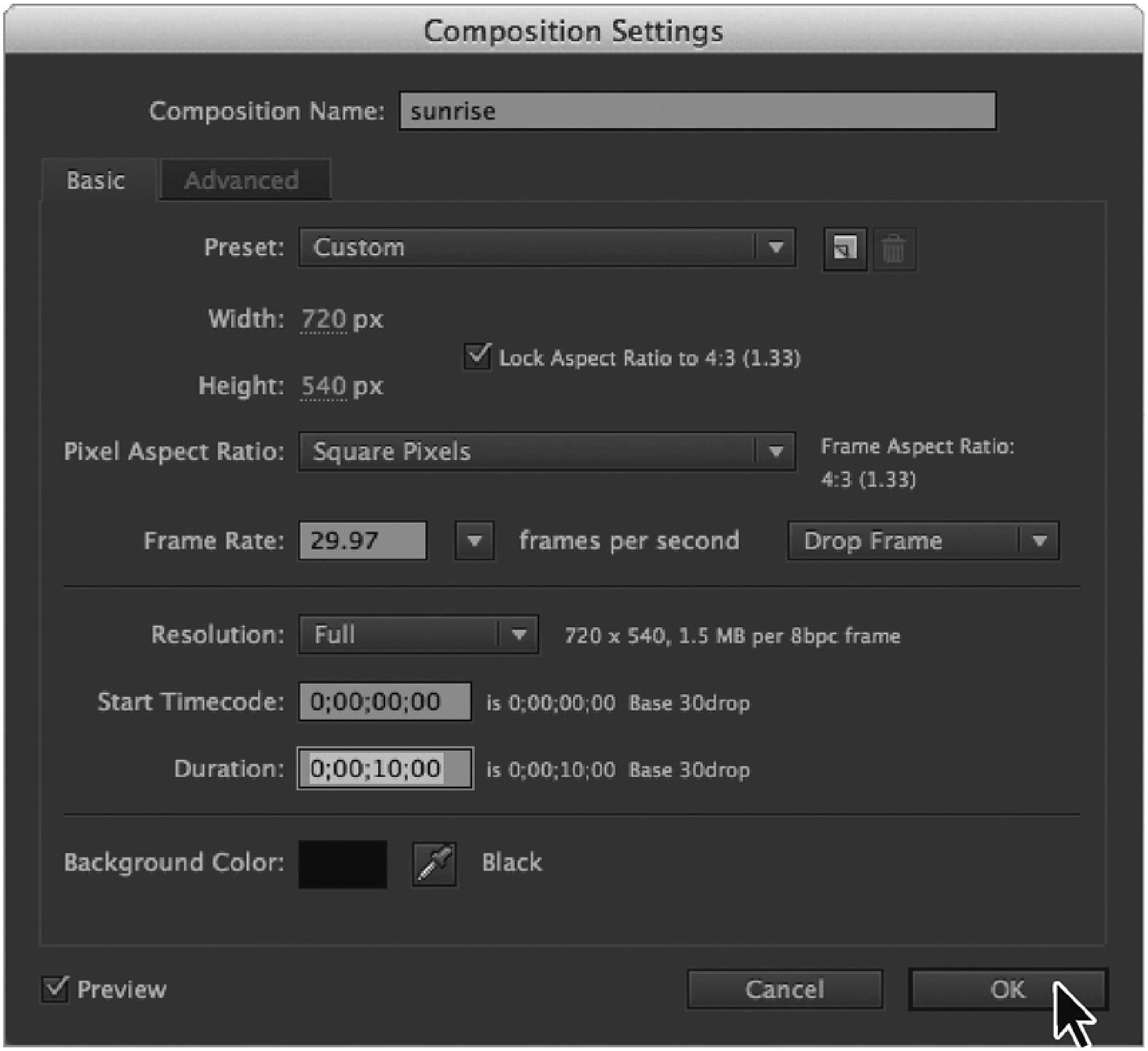
图6.3



□6.4

2. □□Composition>Composition Settings□□□

3. □Composition Settings□□□□□□Duration□□□10:00□□□□□□□□□□□10□□□□□□OK□□□□□6.5□□□



□6.5

□□Photoshop□□□□

Adobe Photoshop□□□□□□□□——□□□□□□□□□——□□□□□□□□□□□□□□Photoshop□□□□After Effects□□□□□□□□□□□□□□□□□After Effects□□□□□□□□

□□□Photoshop□□□□□□□□□□□□□□□□After Effects□□□

[illegible]

[illegible]Timeline[illegible]

[illegible]After Effects[illegible]After Effects[illegible]

6.2 [illegible]

[illegible]Opacity[illegible]

1. [illegible]Timeline[illegible]Background Lit[illegible]Background[illegible]Solo[illegible]

[illegible]6.6[illegible]6.7[illegible]

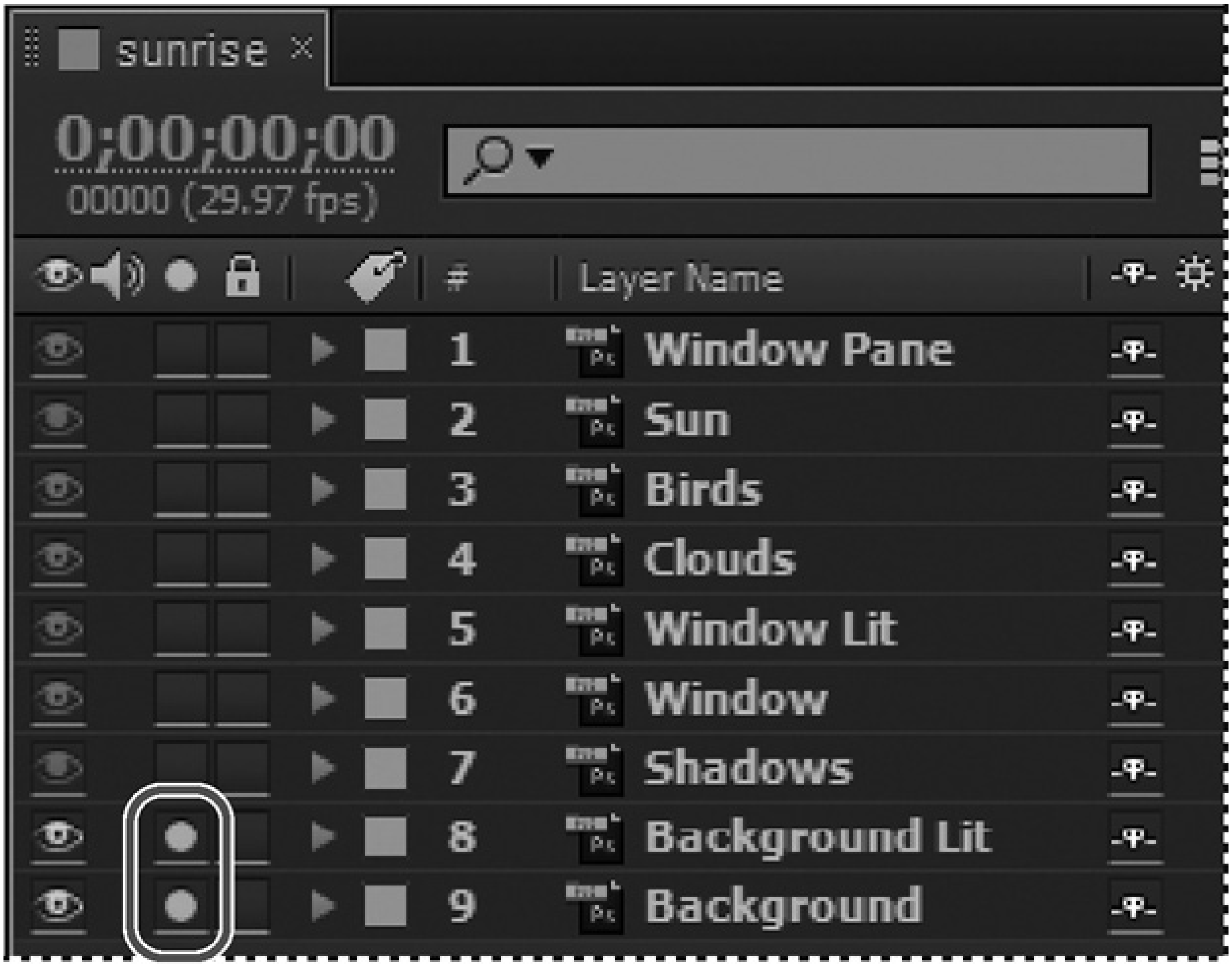

sunrise
0;00;00;00
00000 (29.97 fps)
#
Layer Name
1
Window Pane
2
Sun
3
Birds
4
Clouds
5
Window Lit
6
Window
7
Shadows
8
Background Lit
9
Background

图6.6

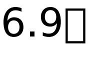


□6.7

□□□Background Lit□□□□□□□□□□□□□□“□□”□□□□□□□□□□□□

2. □□□5:00□

3. □Timeline□□□□□Background Lit□□□□□T□□□□Opacity□□□

4. □□□□□□□□□□□□Opacity□□□□□□□□□Opacity□□100%□□□6.8□□6.9□□□

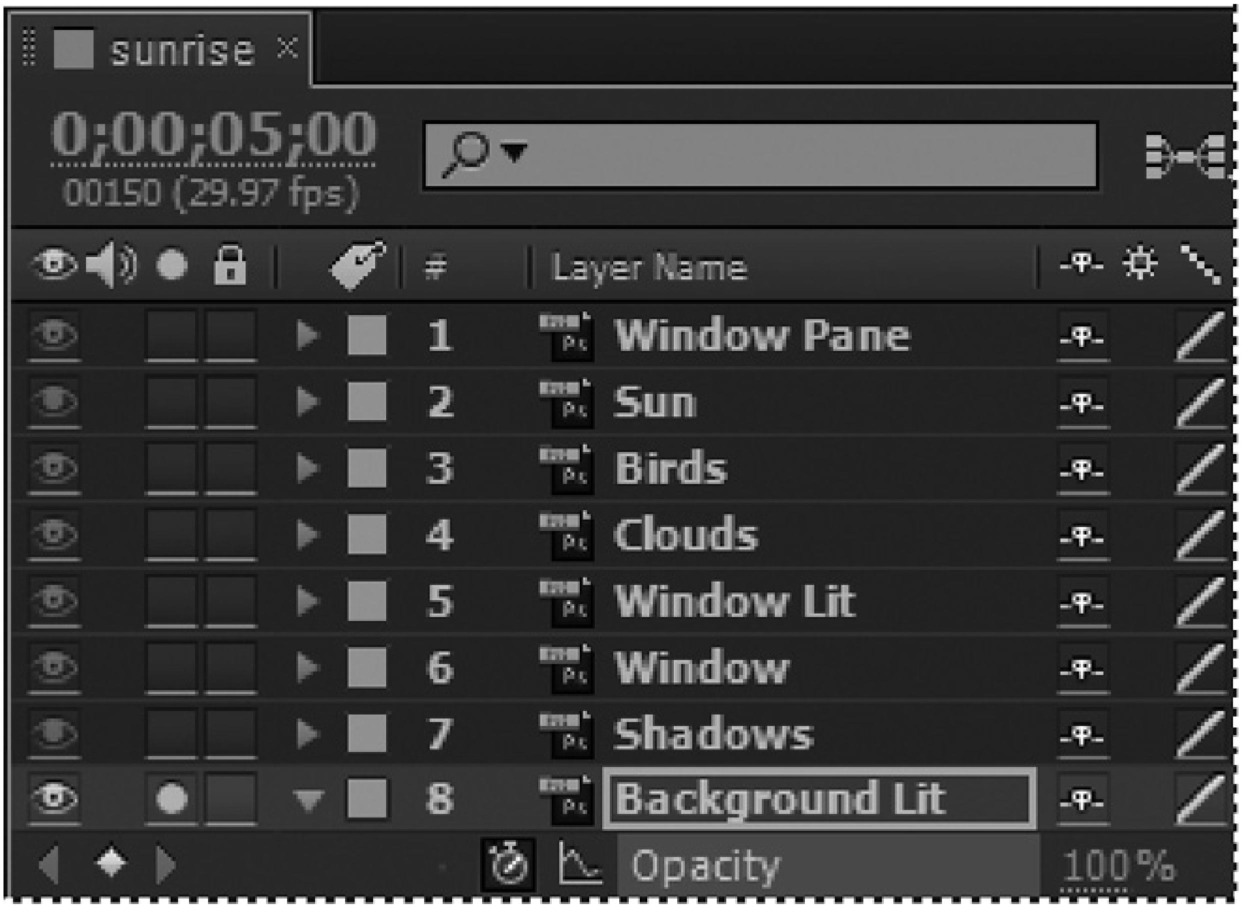

sunrise
0;00;05;00
00150 (29.97 fps)
Layer Name
1 Window Pane
2 Sun
3 Birds
4 Clouds
5 Window Lit
6 Window
7 Shadows
8 Background Lit
Opacity
100%

图6.8



□6.9

5. □Home□□□□□□□□□□□□□□□0:00□□□□Background Lit□□□ Opacity□□□0%□After Effects□□□□□□□□

□□□□□□□□□□Background Lit□□□□□□□□□□□□Background□□□ □□□□□□6.10□□6.11□□□

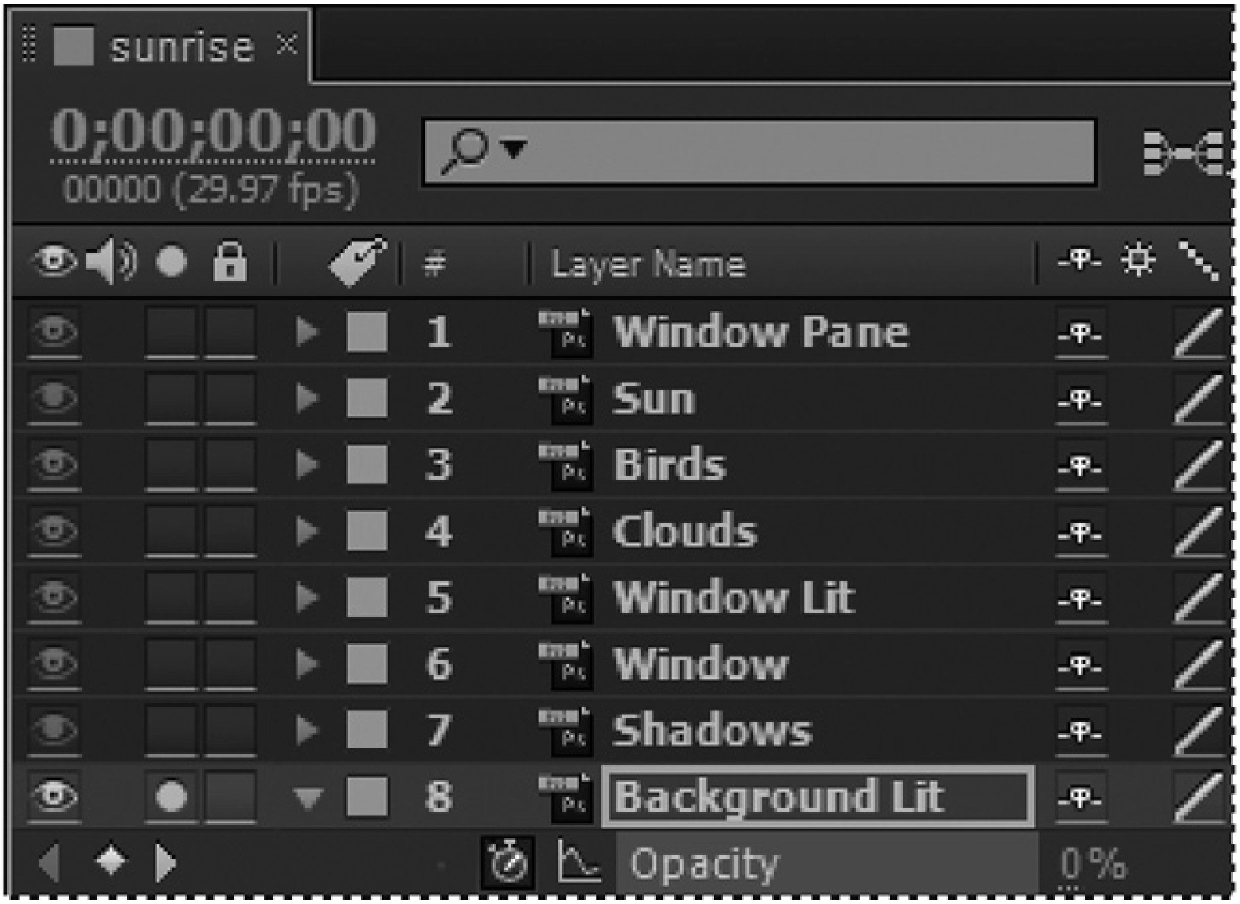

sunrise
0;00;00;00
00000 (29.97 fps)
#
Layer Name
1 Window Pane
2 Sun
3 Birds
4 Clouds
5 Window Lit
6 Window
7 Shadows
8 Background Lit
Opacity
0%

图6.10



□6.11

6. □□Background Lit□Background□□□Solo□□□ □□□□□□□□□□□Window□Window Lit□□□□□□□□□Background Lit□□□Opacity□□□□□□□□□

7. □□Window Pane□□□Transform□□□Window Pane□□□□□□Photoshop□□□□□□□□□□□□□□□

8. □□□2:00□□□□Window Pane□□Opacity□□□□□□□□□□□□Opacity□□□30%□□□□□□□□□□6.12□□6.13□□□

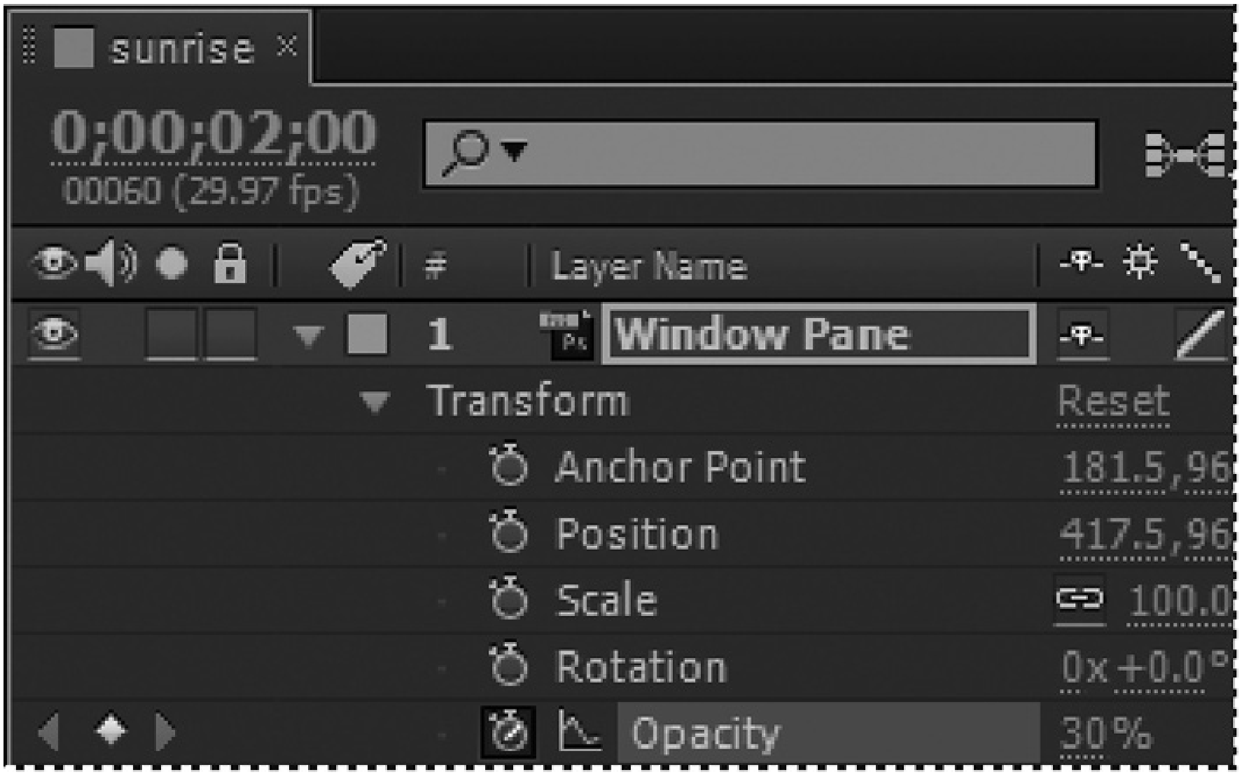

sunrise
0;00;02;00
00060 (29.97 fps)
Layer Name
1
Window Pane
Transform
Reset
Anchor Point
181.5,96
Position
417.5,96
Scale
100.0
Rotation
0x+0.0°
Opacity
30%

图6.12



□6.13

9. □Home□□□□□□□□□□□□□□□□□□□□□□□Opacity□□□□□0%□□
□6.14□□6.15□□□

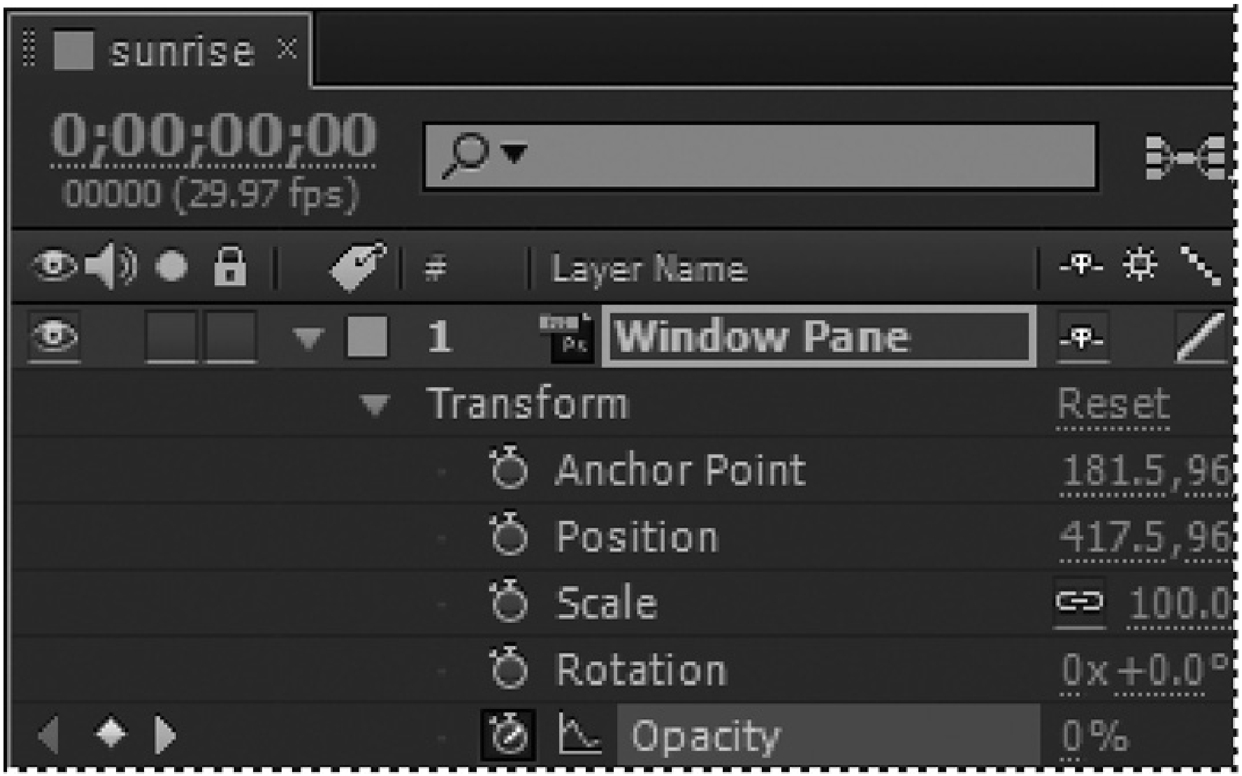

sunrise
0;00;00;00
00000 (29.97 fps)
Layer Name
1
Window Pane
Transform
Reset
Anchor Point
181.5,96
Position
417.5,96
Scale
100.0
Rotation
0x+0.0°
Opacity
0%

图6.14



□6.15

10. □□Window Pane□□□□□□

11. □□Preview□□□□Play/Pause□□□ □□□□□□□□□□□

□□□□□□□□□□□□□□□□□

12. □5:00□□□□□□□□□□□□□□□

13. □□File>Save□□□

> □□□
>
> □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
> □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□Drop Shadow□□□□□□□□□□□Rotation□□□□Drop Shadow□□□Direction□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□JavaScript□□□□□□□□□□□□□□JavaScript□□□

□□□Timeline□□□Effect Controls□□□□□□□□□□□□pick whip□□□□□□□□□□□□□□□□□□□□□□□□□□——□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□After Effects□□□

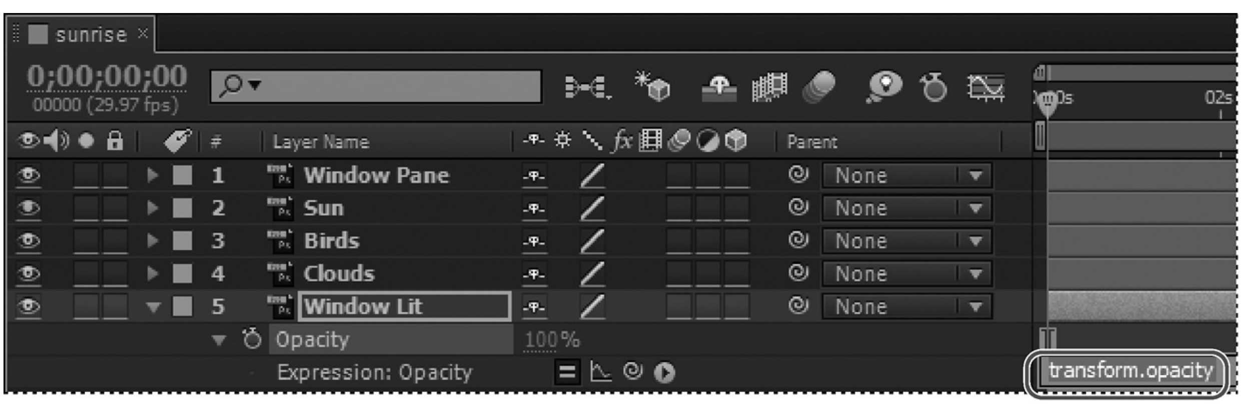
6.3 □pick whip□□□□

□□□□□□□□□□□□□□□□□□pick whip□□□□□□□□□□□□□□□□pick whip□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □Home□□□□□□□□□□□□□□□□□□□□□□

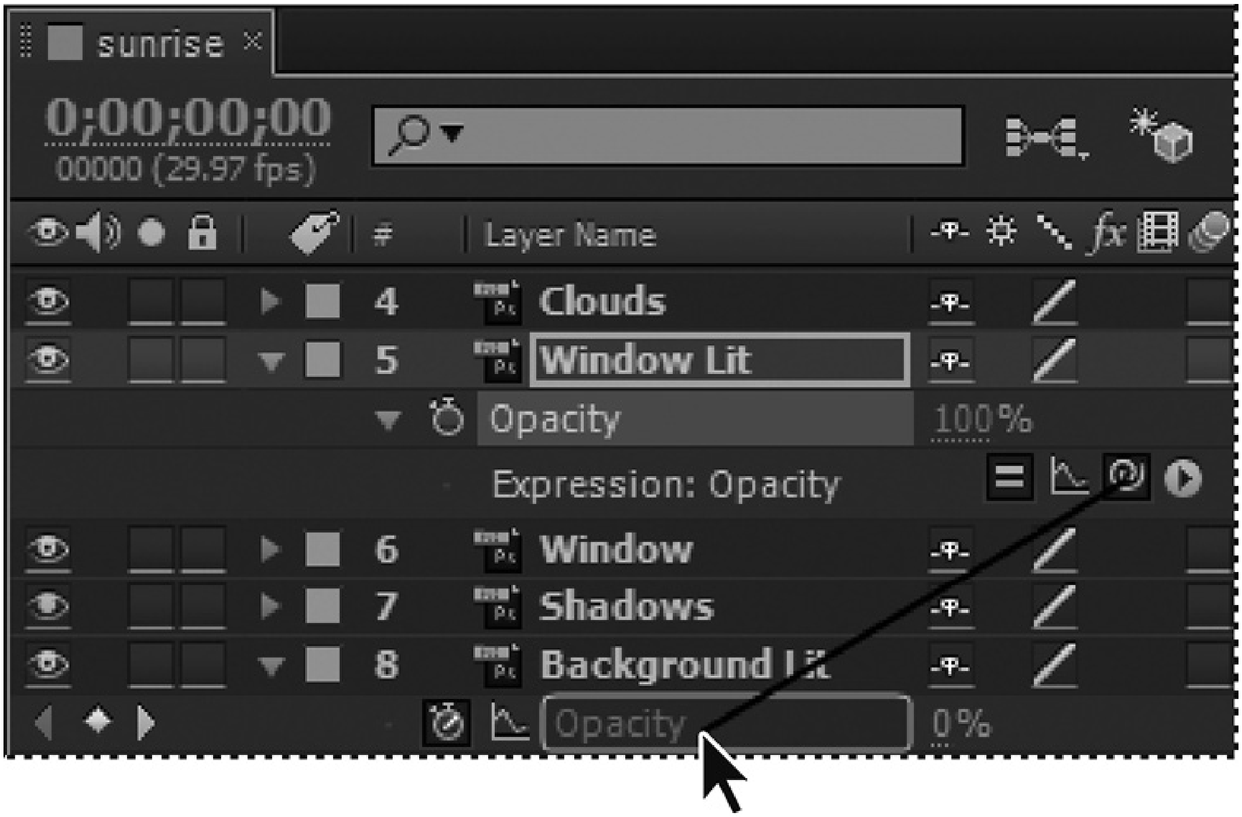
2. □□Window Lit□□□□T□□□□□□Opacity□□□

3. □□Alt□□□□□□□Windows□□□□Option□□□□□□□Mac OS□Window Lit□□□Opacity□□□□□□□□□Opacity□100%□□□□□□Window Lit□□□□□□□□□□□transform.opacity□□□6.16□□□



□6.16

4. □□□□□□□transform.opacity□□□□□□□□□□Window Lit□□□Expression:Opacity□□□pick whip□□□ □□□□□□□□Background Lit□□□□Opacity□□□□□□□□□□□□Window Lit□□□□□□□□□□□□□“thisComp.layer□“Background Lit”□.transform.opacity”□□□□□Background Lit□□□Opacity□□□□0%□□□□□□Window Lit□□□Opacity□□□□100%□□□□6.17□□6.18□□□



□6.17



□6.18

5. □□□□□□□□0:00□□□5:00□□□□□□□□□□Opacity□□□□□□

6. □□
□□

7. □□□□□□□□□

8. □□Window Lit□Background Lit□□□□□□□□□Timeline□□□□□
□□□□□□□□□□□□□

9. □□File>Saver□□□□□□□

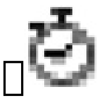
6.4 □□□□□□□□□□□□□□

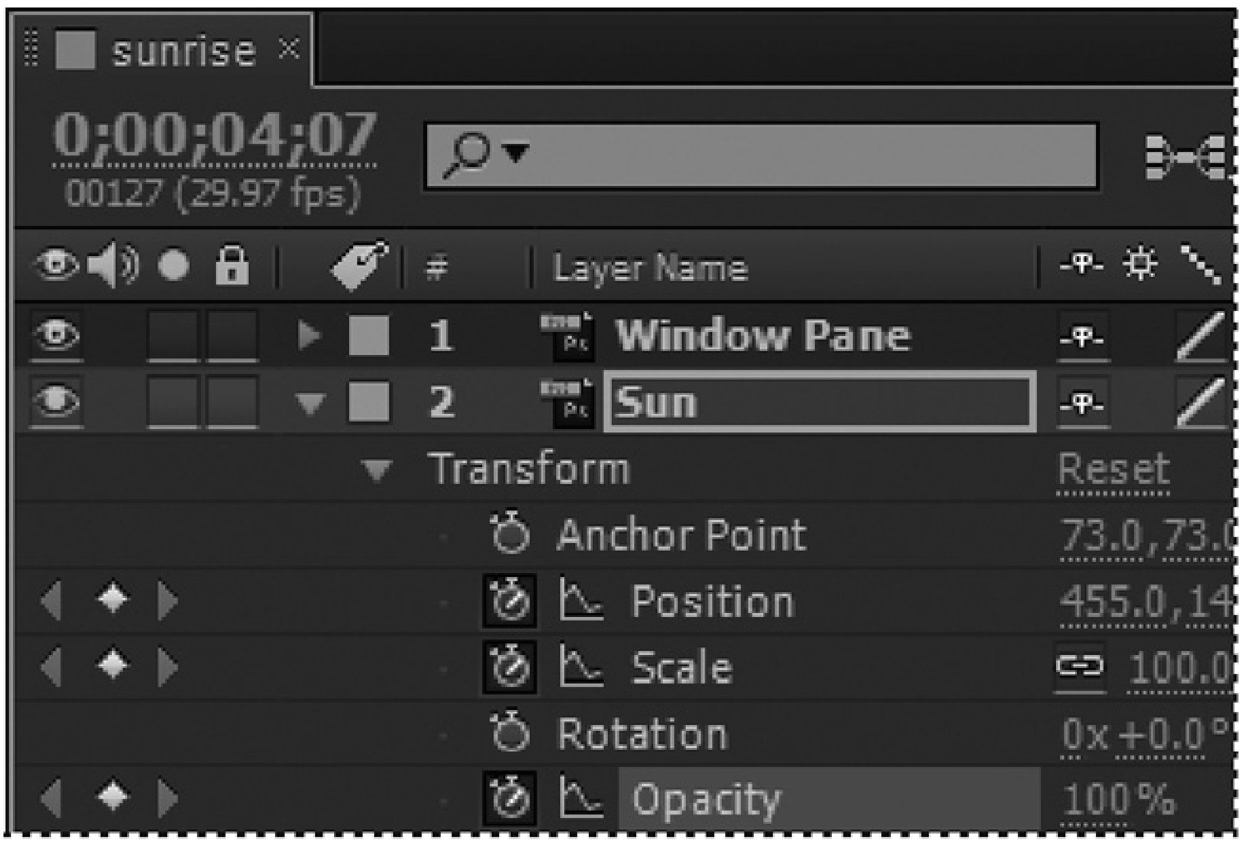
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□□□□□□

6.4.1 □□□□□□□

□□□□□□□□□□□□Position□Scale□Opacity□□□□□

1. □Timeline□□□□□Sun□□□□□□Transform□□□

2. □□□4:07□□□□□□□□□Position□Scale□Opacity□□□□□
□□□□□□□□□□6.19□□6.20□□□



□6.19



□6.20

3. □□□3:13□

4. □□□Sun□□□□□□Scale□□33.3%□□Opacity□□□□□10%□After Effects□□□□□□□□□□□□□□□6.21□□6.22□□□

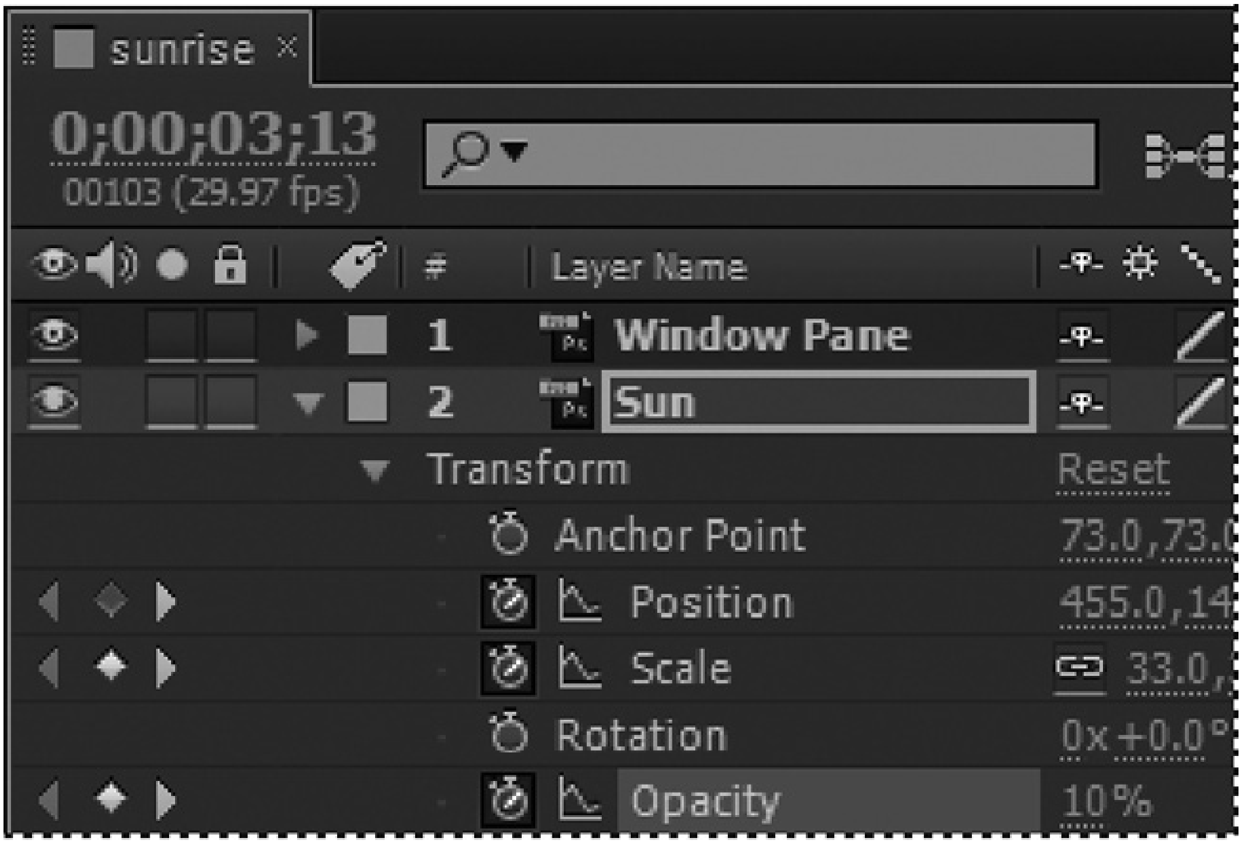

sunrise
0;00;03;13
00103 (29.97 fps)
Layer Name
1
Window Pane
2
Sun
Transform
Reset
Anchor Point
73.0,73.0
Position
455.0,14
Scale
33.0,
Rotation
0x+0.0°
Opacity
10%

图6.21



□6.22

5. □End□□□□□□□□□□□□□□□□□□□□□□

6. □□Sun□□□Position□□□□*y* □□□18□□□□Scale□□□□150□150%□□After Effects□□□□□□□□□□6.23□□6.24□□□

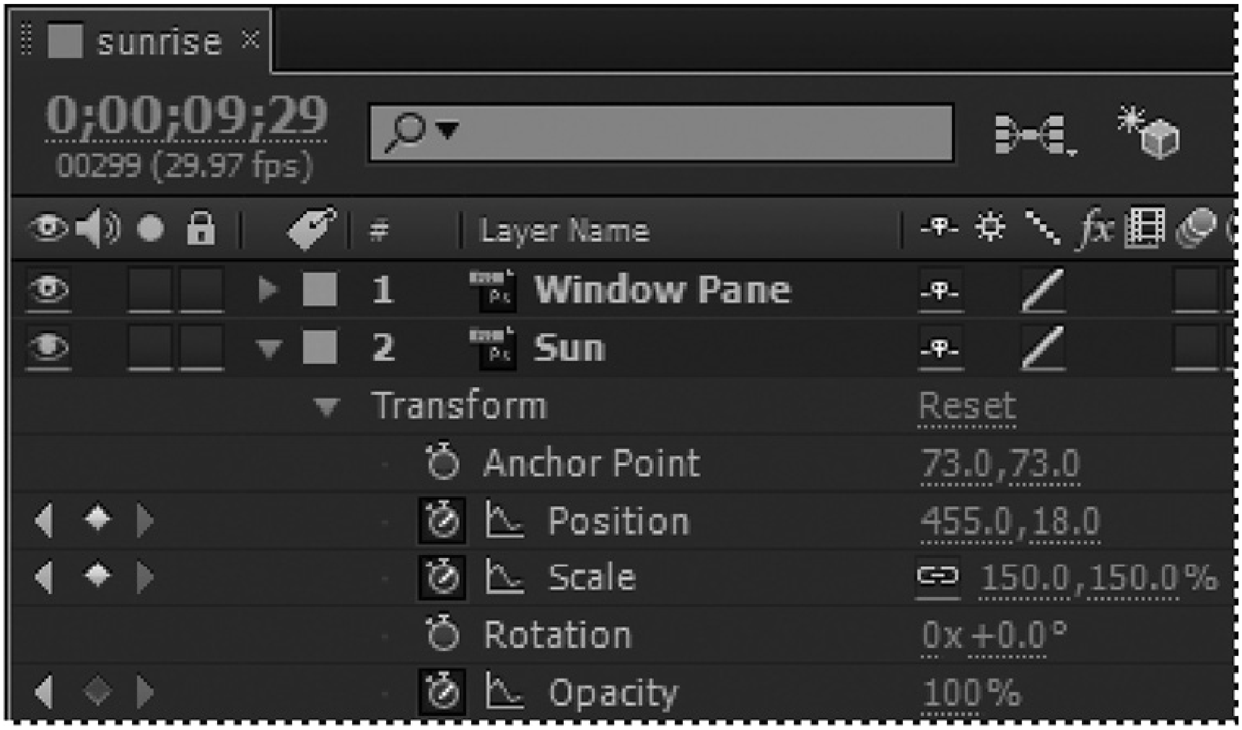

sunrise
0;00;09;29
00299 (29.97 fps)
Layer Name
1 Window Pane
2 Sun
Transform
Reset
Anchor Point
73.0,73.0
Position
455.0,18.0
Scale
150.0,150.0%
Rotation
0x+0.0°
Opacity
100%

图6.23



□6.24

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

7. □□Sun□□□□□

6.4.2 □□□□□□□□□

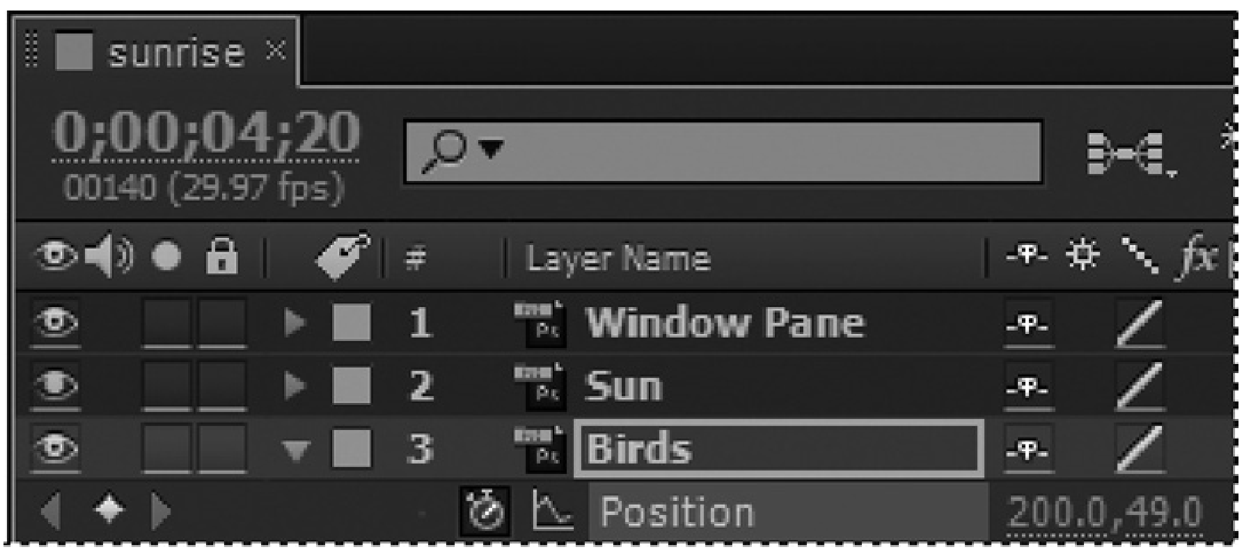
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Timeline□□□□
Auto-Keyframe□□□Auto-Keyframe□□□□□□□□□□□□□□□After
Effects□□□□□□□□□□

1. □Timeline□□□□□Birds□□□□P□□□□Position□□□

2. □□Timeline□□□□□Auto-Keyframe□□□ □□

□□□□□□□□□□□□□

3. □□□4:20□□Birds□□□Position□□□□□200□49□□After
Effects□□□□□□□□□□□□□6.25□□6.26□□□



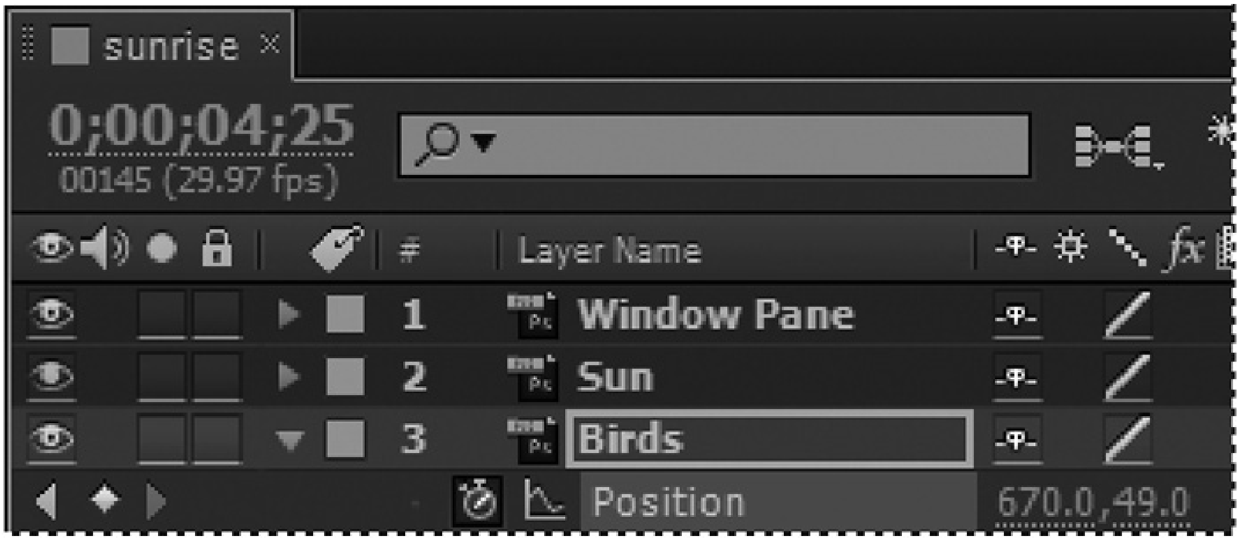
□6.25



[illegible]6.26

> [illegible]
>
> Auto-Keyframe[illegible]Auto-Keyframe[illegible]

4. [illegible]4:25[illegible]Birds[illegible]Position[illegible]670[illegible]49[illegible]After Effects[illegible]6.27[illegible]6.28[illegible]



□6.27



□6.28

5. □□Birds□□□□P□□□□Position□□□

6.4.3 □□□□□□□□□

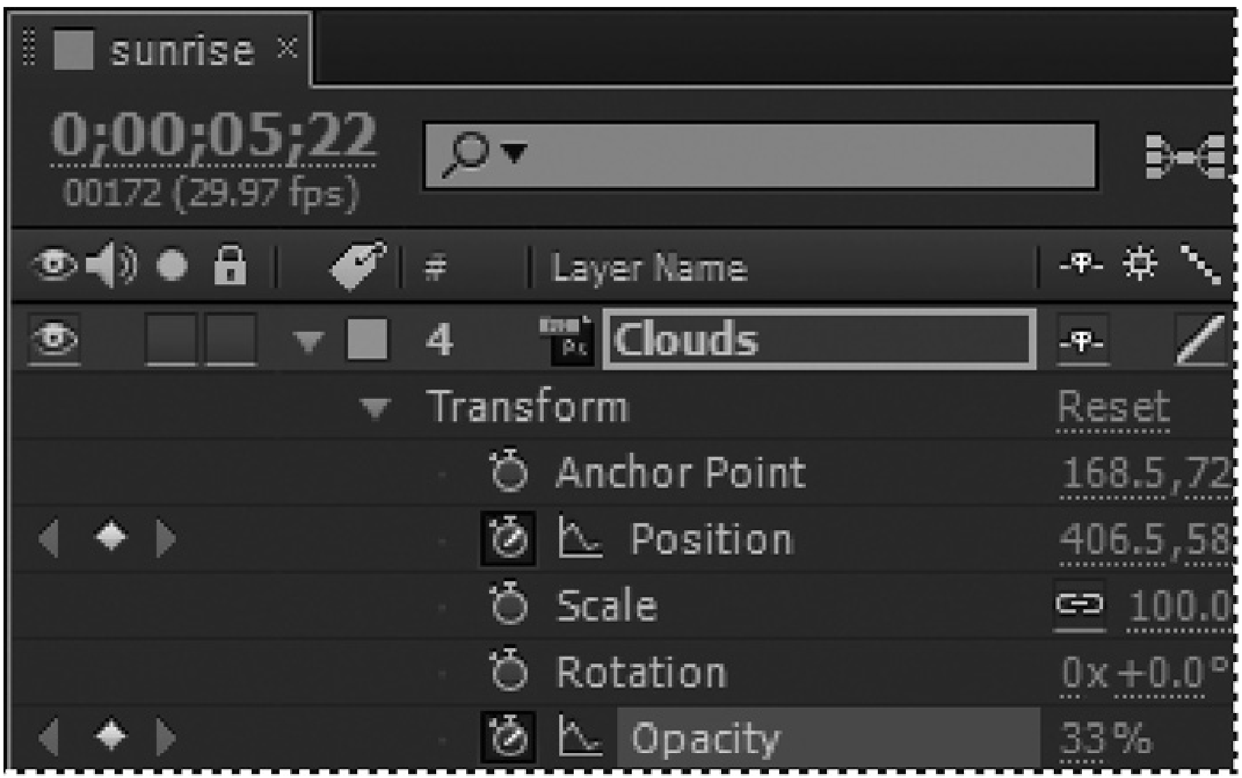
□□□□□□□□□□□□□□□□□□

1. □Timeline□□□□□Clouds□□□□□Transform□□□

2. □□□5:22□□□Position□□□□□□□ □□□Position□□□□□□□□406.5□58.5□□

3. □□5:22□□□□Clouds□□□Opacity□□□□□33%□

□□Auto-Keyframe□□□□□□□□□□After Effects□□□□□□□□□□□□6.29□□6.30□□□



□6.29



□6.30

4. □□Auto-Keyframe□□□□□□

5. □□□5:02□□Clouds□□□Opacity□□□0%□

□□Auto-Keyframe□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□After Effects□□□□□□□□□

6. □□□9:07□□Clouds□□□Opacity□□□50%□After Effects□□□□□□□□

7. □End□□□□□□□□□□□□□□□□□□□□□

8. □Clouds□□□Position□□□456.5□48.5□□After Effects□□□□□□□□□□6.31□□6.32□□□

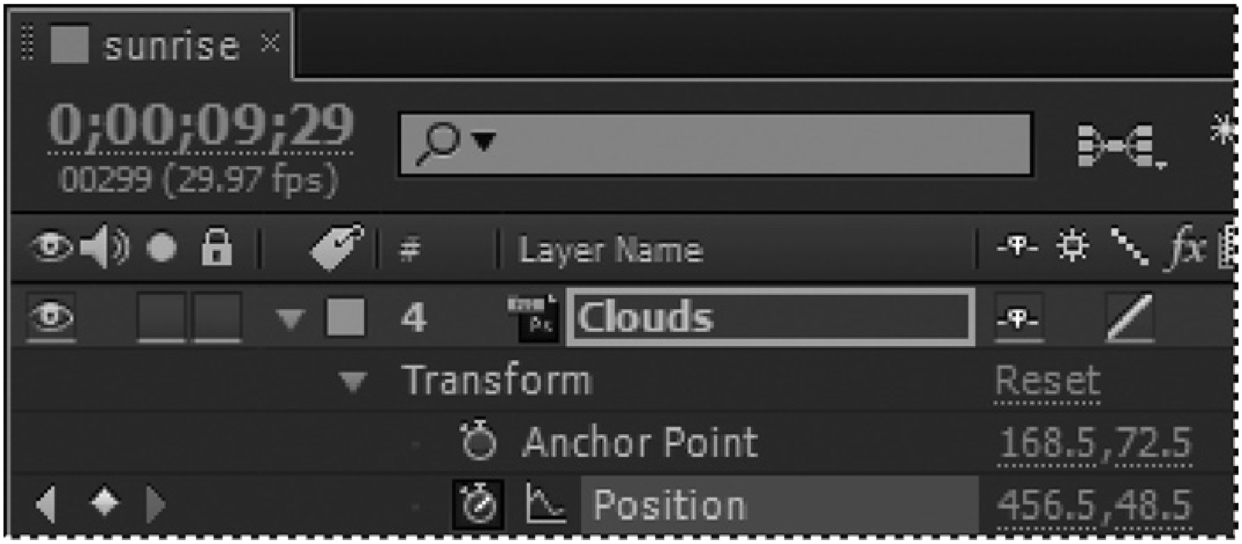


图6.31



图6.32

6.4.4 [illegible]

□□□□□□□□□□□□□□□□

1. □Home□□□□□□□0:00□

2. □F2□□□□Timeline□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□——□□□□□□□□□□□□□□□□□□□□□□□6.33□□6.35□□□



□6.33



□6.34



□6.35

3. □□□□□□□□

4. □□Clouds□□□□□□□□□□File>Save□□□

6.5 □□□□□□Track Matte

□□□ alpha track matte□□□□□□□□□□□□□□□□□□□□□□□□□

6.5.1 □□□□

□□□□□□Sun□Birds□Clouds□□□□□□□□□□□□

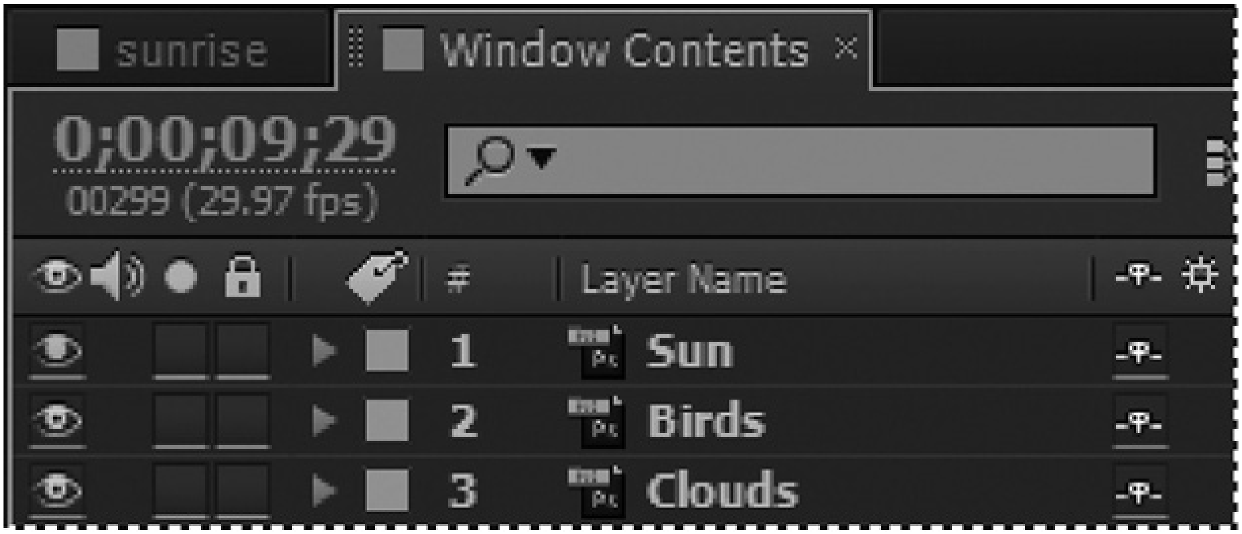
1. □Timeline□□□□□Shift□□□□□□□Sun□Birds□Clouds□□□

2. □□Layer>Pre-Compose□□□

3. □Pre-Compose□□□□□□□□□□□□□□Window Contents□□□□□□Move All Attributes Into The New Composition□□□□□□Open New Composition□□□□□OK□□□□□6.36□□6.37□□□



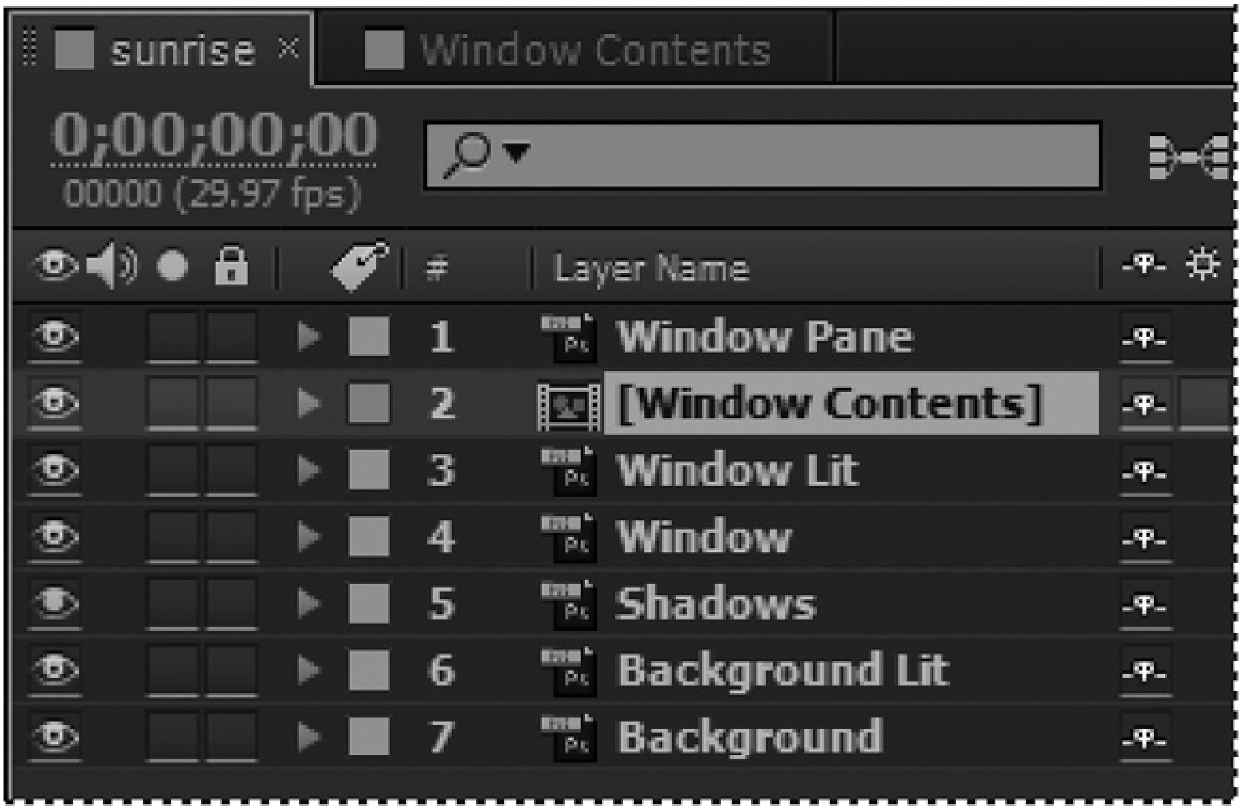
□6.36



□6.37

□□□□□Window Contents□Timeline□□□□□□□□□□□1□□□□
Sun□Birds□Clouds□□□□□Window Contents□□□□□□□
Composition□□□□

4. □□Sunrise Timeline□□□□□□□□□□□□□□Sun□Birds□
Clouds□□□Window Contents□□Window Contents□□□□□□□□
□□□□6.38□□□



□6.38

6.5.2 □□Track Matte

□□□□□□Track Matte□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Window Lit□□□□□□□Alpha□□□

Track Matte□Traveling Matte

□□□□□□□□□□□□□□□□□□□□□□□□□□Track Matte□Track Matte□□□□□□□□□——□□□□Matte□□□□□□□□□□Matte□□“□”□□□□Track Matte□□□□□□□□□□□□Track Matte□□□□□□□□□□□□□□□Traveling Matte□□□□□□□□□□□Track Matte□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□Track Matte□□Alpha□□□□□□□□□□□□□Track Matte□□□□□□□□□□□□□□Track Matte□□□□□□□□□□□□Track Matte□□□□□□□□□□□□□Alpha

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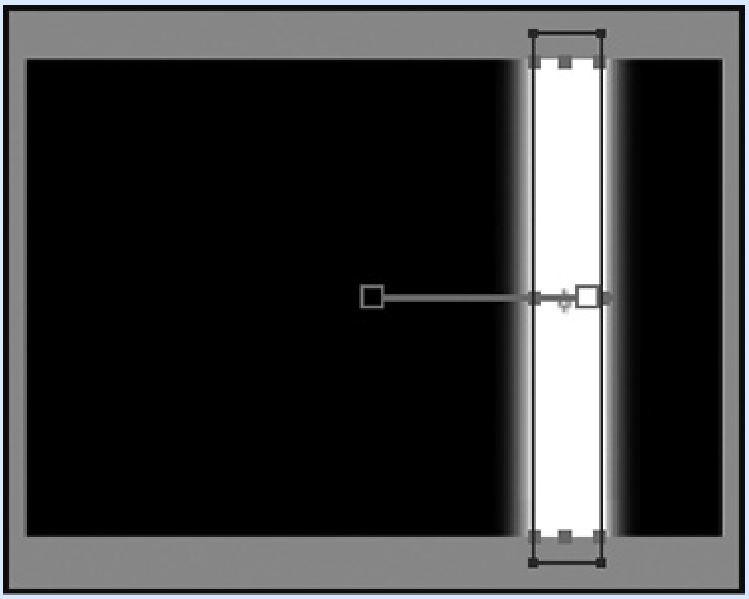
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□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

After Effects□□□□□□□□□□□□□□□□□Track Matte□□□□□□□□□□□□□

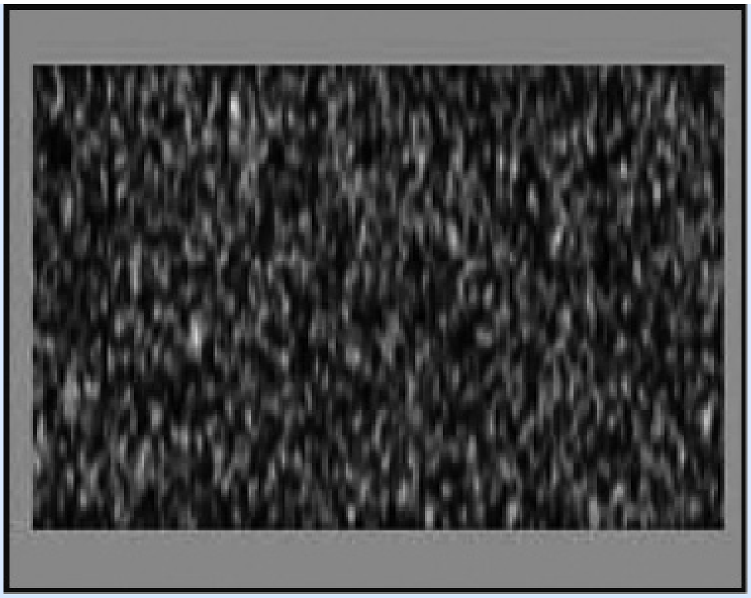
Track Matte□□□□□□□□□□□□□□□□□□□□□□□□A□B□□□□□X□Track Matte□

□□□Y□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□XYXY□□□6.39□□6.41□□□



A

□6.39



B

□6.40



C

□6.41

□□□□□□□Matte□

A□Track Matte□□□□□□□□□□□□□□□□Luma Matte□□□□□□□□□□□□□
□□□□□

B□□□□□□□□□□□□□□□□□□

C□□□□□Track Matte□□□□□□□□□□□□□□□□□□□□□□□□□□Track
Matte□□□□□

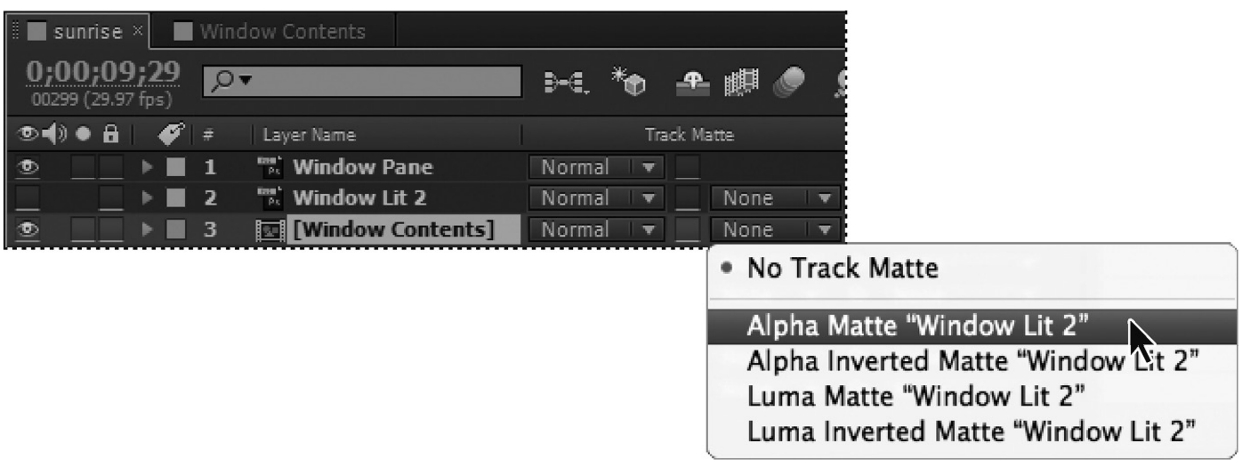
1. □Sunrise Timeline□□□□□□Window Lit□□□

2. □□Edit>Duplicate□□□

3. □□□□□□□□□□□□□□□Window Lit 2□□□□□Window Contents□
□□□□

4. □□Timeline□□□□Toggle Switches/Modes□□TrkMat□□□□□
□□□□Track Matte□

5. □□Window Contents□□□□□TrkMat□□□□□□□Alpha
Matte“Window Lit 2”□□□6.42□□□



□6.42

□□□□□□Alpha□□□Window Lit 2□□□□□□Window Contents□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□

6. □Home□□

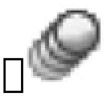
7. □□File>Save□□□□□□□

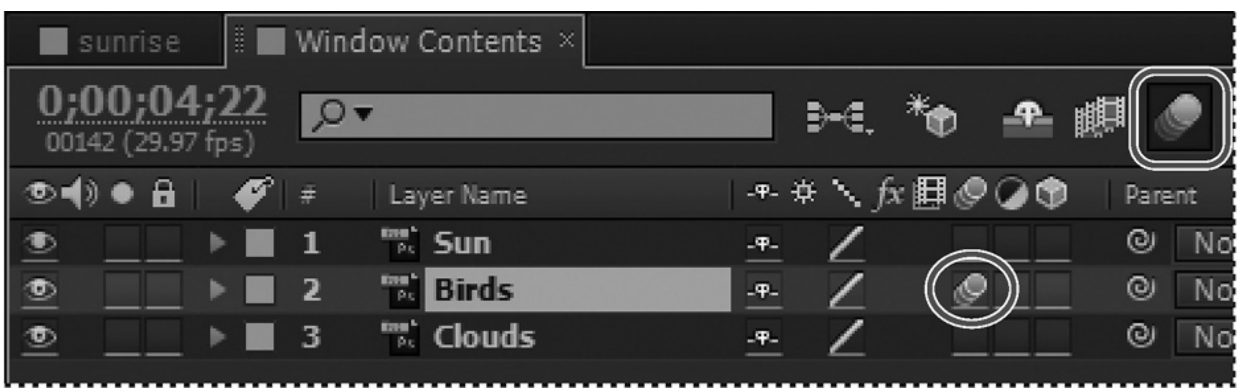
6.5.3 □□□□□□□□

□□□

1. □□□Window Contents Timeline□□□

2. □□□4:22——□□□□□□□□□□□Birds□□□□□ Layer>Switches>Motion Blur□□□□□□□□□□□□□□

3. □□Timeline□□□□□Enable Motion Blur□□□  □□□□□ Composition□□□□□Birds□□□□□□□□□□□6.43□□□



□6.43

4. □□Composition>Composition Settings□□□

5. □Composition Settings□□□□□□Advanced□□□□□Shutter Angle□□□30°□

Shutter Angle□□□

6. □Shutter Phase□□□0°□□□□□OK□□□□□6.44□□□



□6.44

6.6 □□□□□□□□□

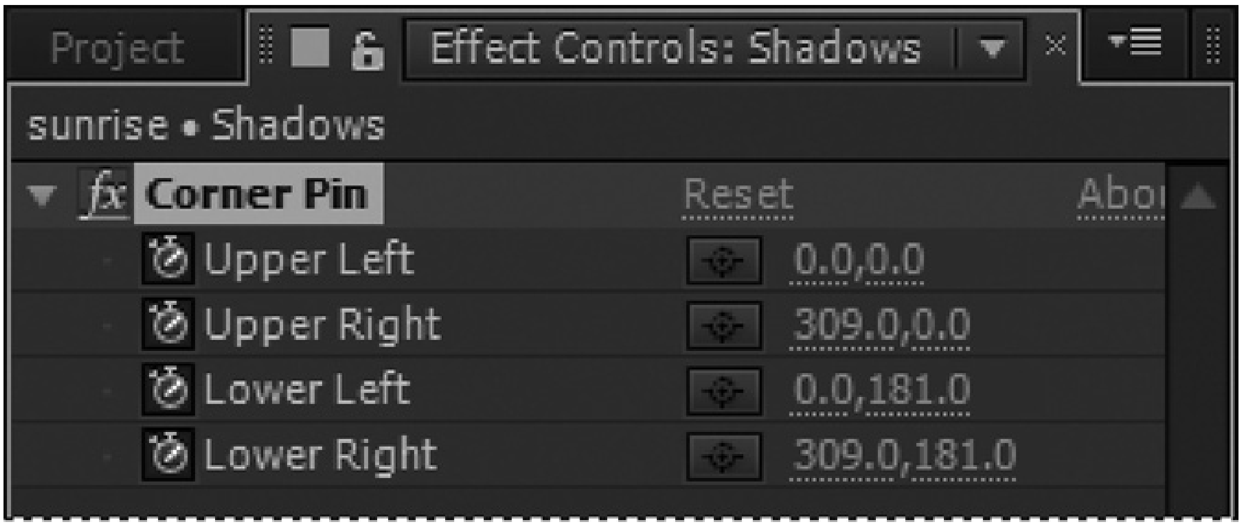
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□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□Corner Pin□□□□□□□□Photoshop□□□Shadow□□□

□□Corner Pin□□□□□Photoshop□□□□□□——□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□

1. □□Sunrise Timeline□□□□□□□□□□□

2. □Timeline□□□Shadows□□□□□
Effect>Distort>Corner Pin□□Composition□□□□□□□□□□□
□□□□□6.45□6.46□□



□6.45



□6.46

□□□

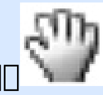
□□□□□□□□□□□□□Composition□□□□□□□View Options□□View Option□□□□□□□Handles□Effect Controls□□□□□□□□OK□□□

□□□□Shadows□□

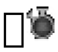
3. □□□6:00□□□□□□□□□□□□□□□□□□□□□□□□□□Effect Controls

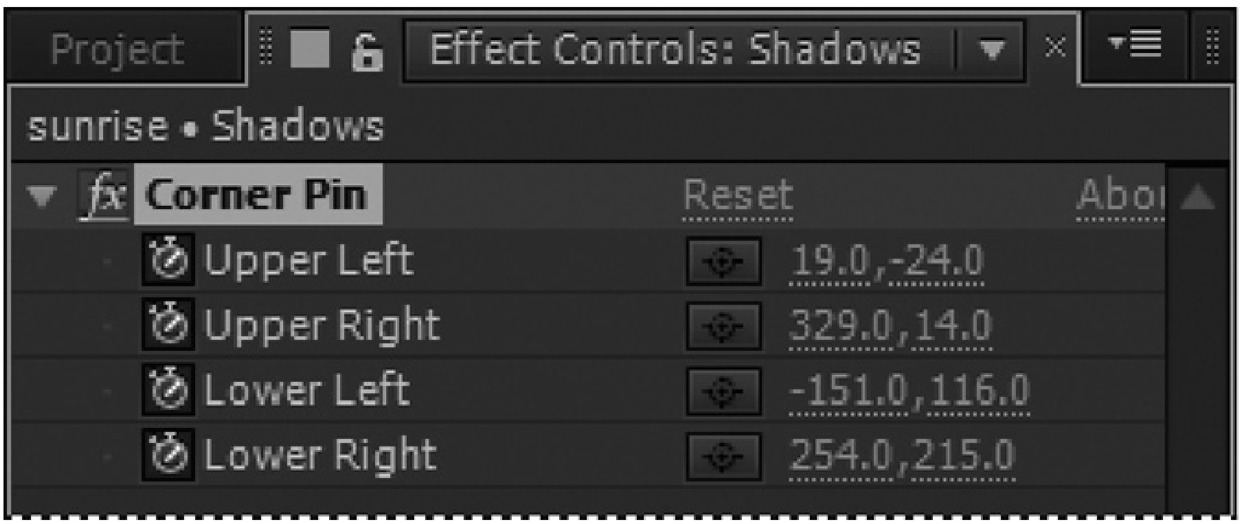
□□□*x* □*y* □□□□□□□

□□□

Shadows[illegible]Hand[illegible][illegible]Composition[illegible]
[illegible]Selection[illegible][illegible]

[illegible]4[illegible]

4. [illegible]Effects Controls[illegible][illegible]6:00[illegible]6.47[illegible]6.48[illegible]



[illegible]6.47



[illegible]6.48

5. [illegible]End[illegible]

6. [illegible]Selection[illegible]  [illegible]25%[illegible]After Effects[illegible]6.49[illegible]6.50[illegible]

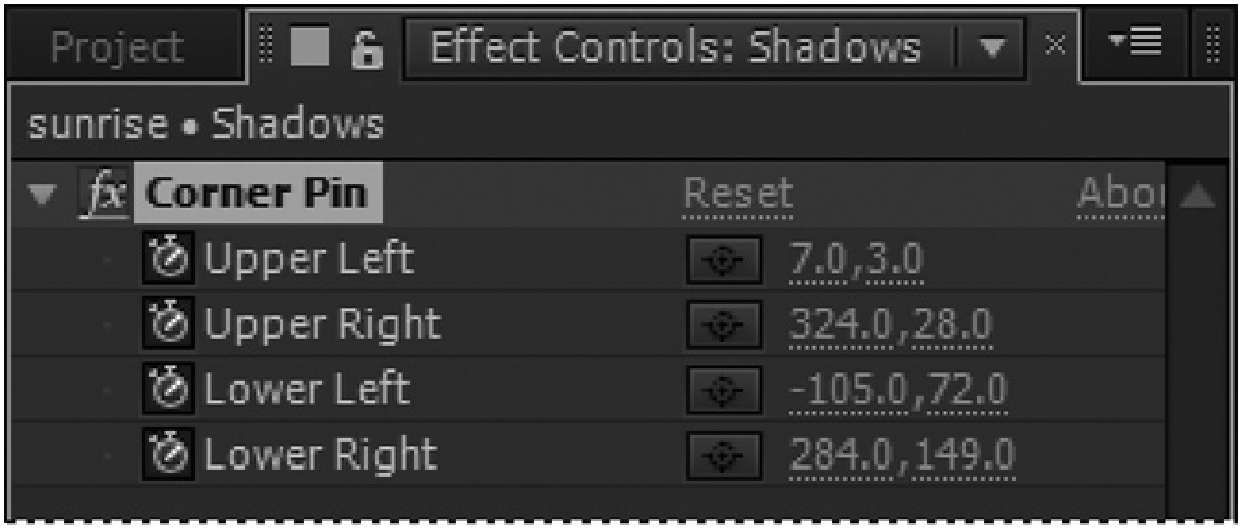

Project
Effect Controls: Shadows
sunrise • Shadows
Corner Pin
Reset
Upper Left
7.0,3.0
Upper Right
324.0,28.0
Lower Left
-105.0,72.0
Lower Right
284.0,149.0

图6.49



图6.50

7. □□□□□□□□□Hand□□□ □□□□□□□□□□□□□□□Composition□□□□□□□□□□□□□□□□□□Selection□□□ □□□□□□□□□□□

8. □□□0:0□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□6.51□□6.53□□□



□6.51



□6.52



□6.53

9. □□File>Save□□□□□□□□

6.7 □□□□□□□□

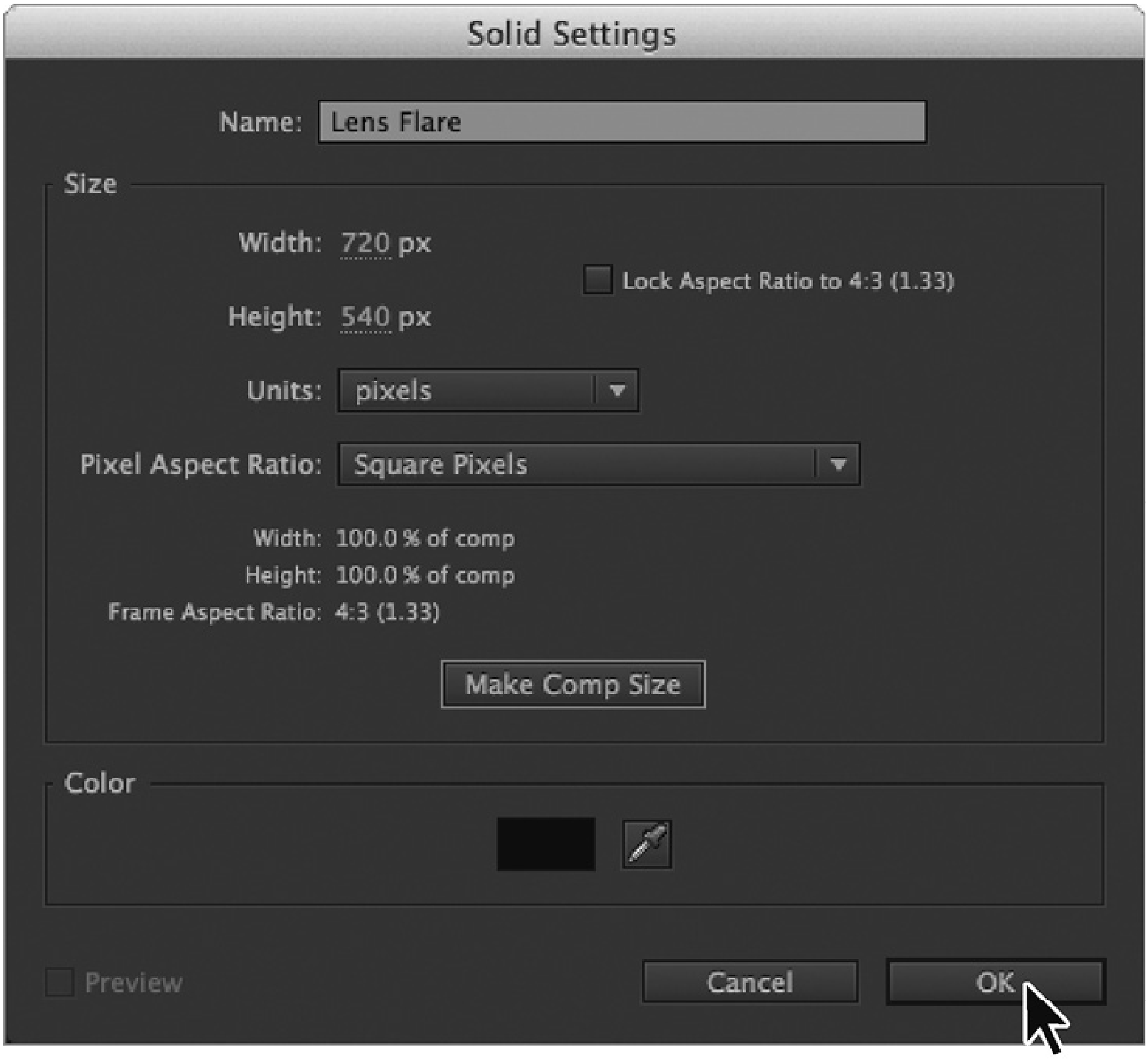
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3. [illegible]Solid Settings[illegible]Lens Flare[illegible]Make Comp Size[illegible]Color[illegible]Solid Color[illegible]RGB[illegible]0[illegible]OK[illegible]Solid Settings[illegible]

4. [illegible]OK[illegible]Lens Flare[illegible]6.54[illegible]



□6.54

5. □Sunrise Timeline□□□□□Lens Flare□□□□□□Effect>Generate>Lens Flare□□□

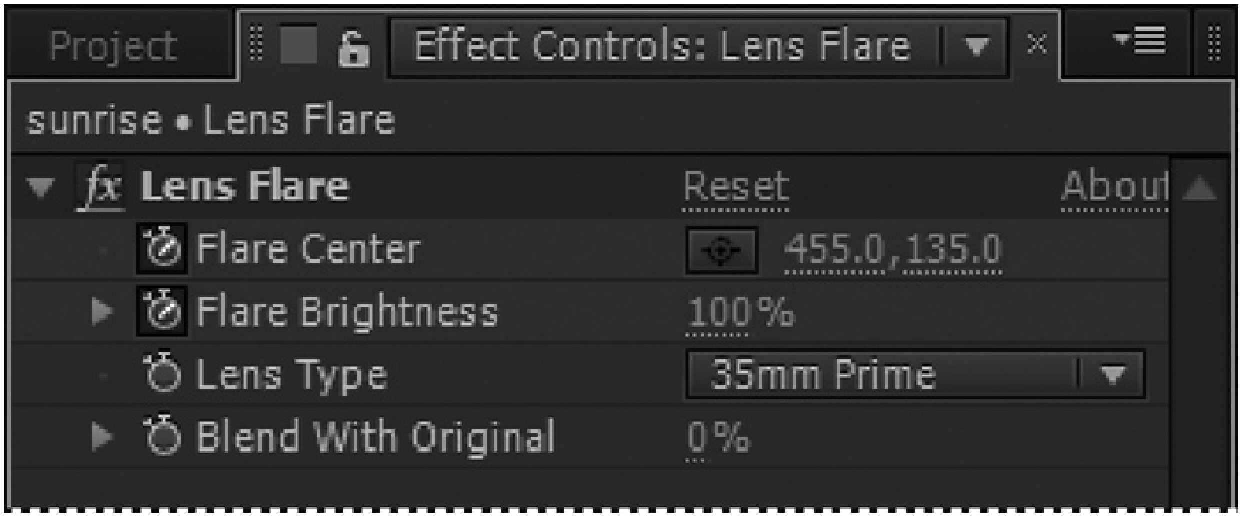
Composition□□□Effect Controls□□□□□□□□□□□□□□□□□□□□□□Lens Flare□□□□□□□□□□□□□□□□□□

6. □Composition□□□□Flare Center□□□□□ ⊕ □□□□□□□□□□□□Composition□□□□□□□□□□□Effect Controls□Info□□□□□□□*x* □*y* □□□□□□□□□□455□135□□

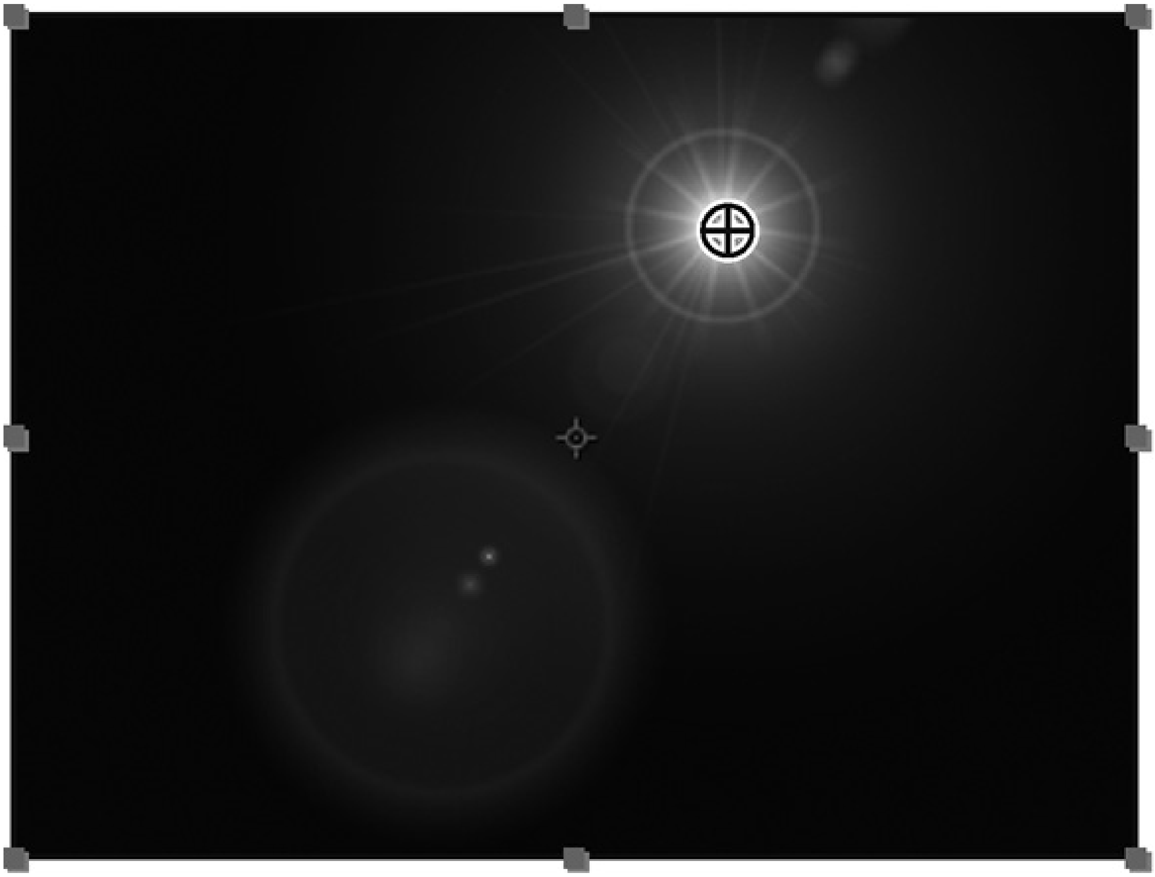
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□□□□Effect Controls□□□□□□□Flare Center□□

7. □Effect Controls□□□□□Lens Type□□□35mm Prime□□□□□□□□□□□□□□□□6.55□□6.56□□□



□6.55



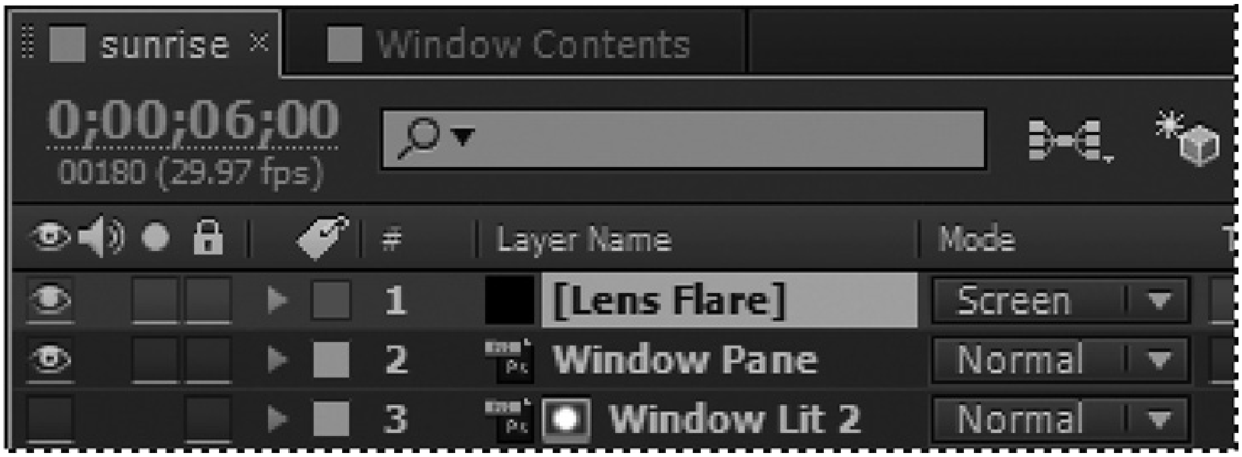
□6.56

8. □□□□□□□5:10□□Effect Controls□□□□□□Flare Brightness□□□□□□□□ □□□□□□100% □□□□□□□□□

9. □□□□□□□□□□□□□□□□□□□□□□□

- □□□3:27□□Flare Brightness□□□0%□
- □□□6:27□□Flare Brightness□□□□0%□
- □□□6:00□□□Flare Brightness□□□100%□

10. □Timeline□□□□□Lens Flare□□□□□Layer>Blending Mode>Screen□□□□□□□□□□□6.57□□6.58□□□



□6.57



□6.58

□□□

□□□□Timeline□□□□Mode□□□□□□□Screen□

11. □Home□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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12. □□File>Save□□□□□□□

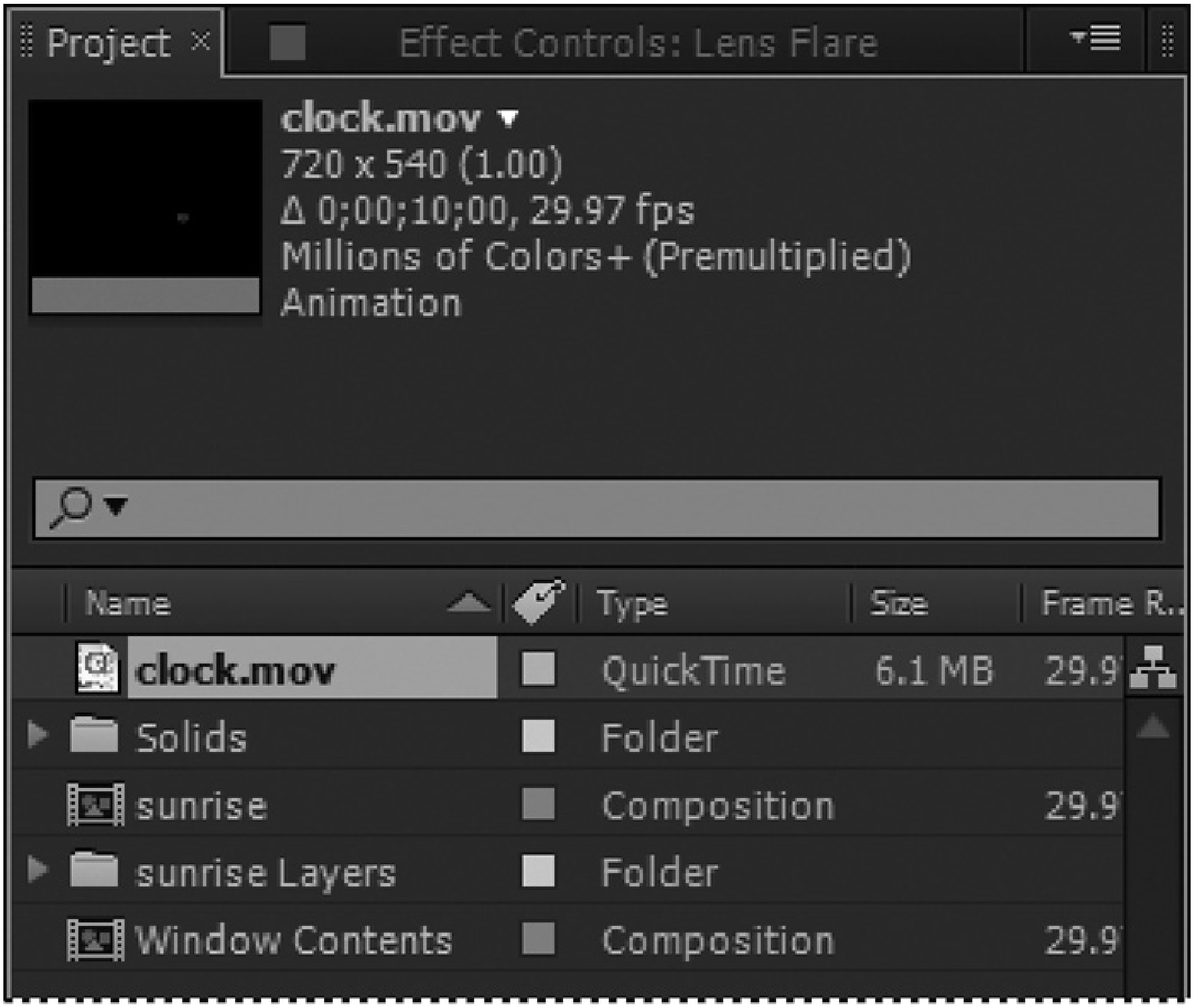
6.8 □□□□□□□□

□□□□□□□□□□□□□□□□□□□□□——□□□□□□□□□□□□□□□□□□□□□□
□□After Effects□
□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□□□□□□□□

> **□□□**
>
> □11□□□12□□□□□□□□3D□□□□□□□□

1. □Project□□□□□□□□□□sunrise Layers□□□□□□□□□□□□□□□□□
□□Import File□□□□

2. □AECC_CIB\Lessons\Lesson06\Assets□□□□□□□
clock.mov□□□□□□□Import□□Open□□□□□6.59□□□

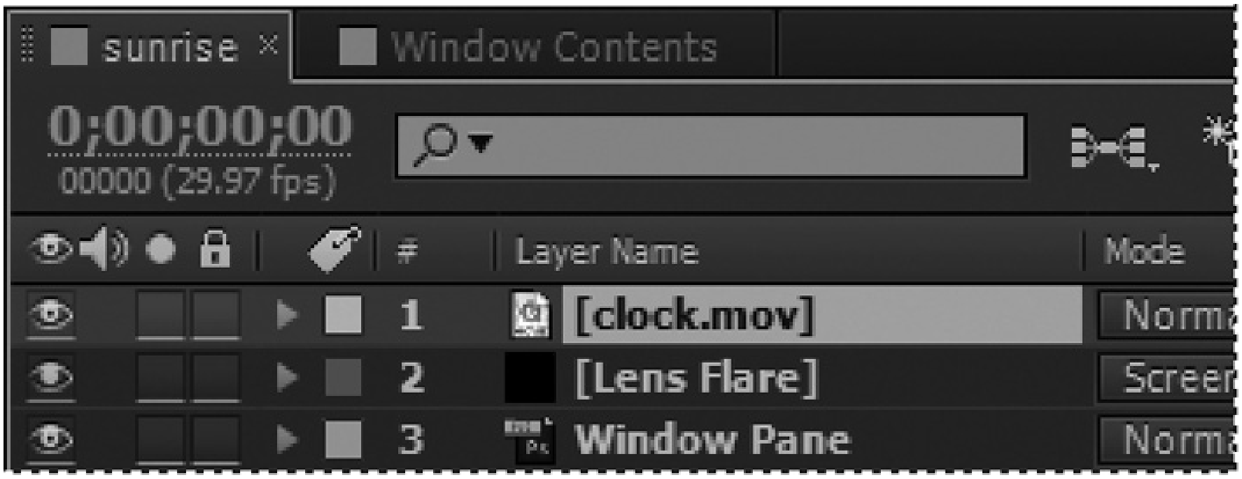


□6.59

QuickTime□□□□clock.mov□□□□□Project□□□□□□

3. □□Sunrise Timeline□□□□□□□□□□□□□□□□□□□□□clock.mov □□□□

Project□□□□□Timeline□□□□□□□□□□□□6.60□□6.61□□□



□6.60



□6.61

4. [illegible]

5. [illegible]File>Save[illegible]

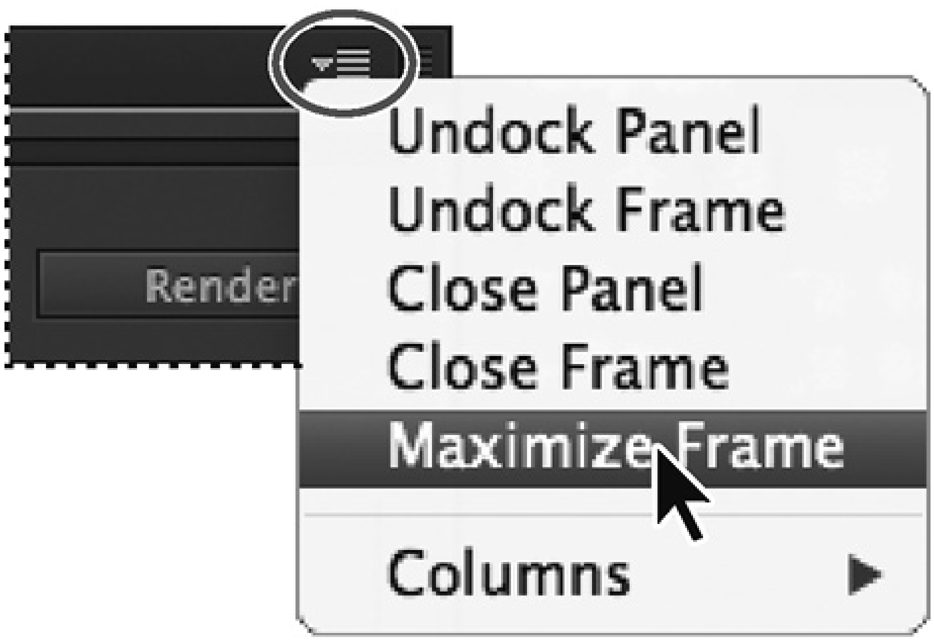
6.8.1 □□□□

□□□□□□□□□□□□□□□□□□□□□□□□——□□□□□sunrise□□□□□□□□□□□□

1. □Project□□□□□sunrise□□□□□□□□□Composition>Add to Render Queue□□□

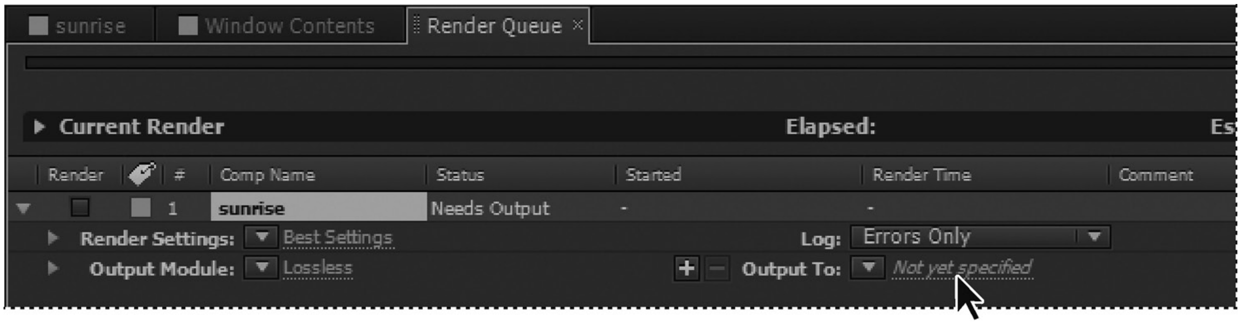
□□Render Queue□□□

2. □Render Queue□□□□□□□Maximize Frame□□□□□□□□6.62□□□



□6.62

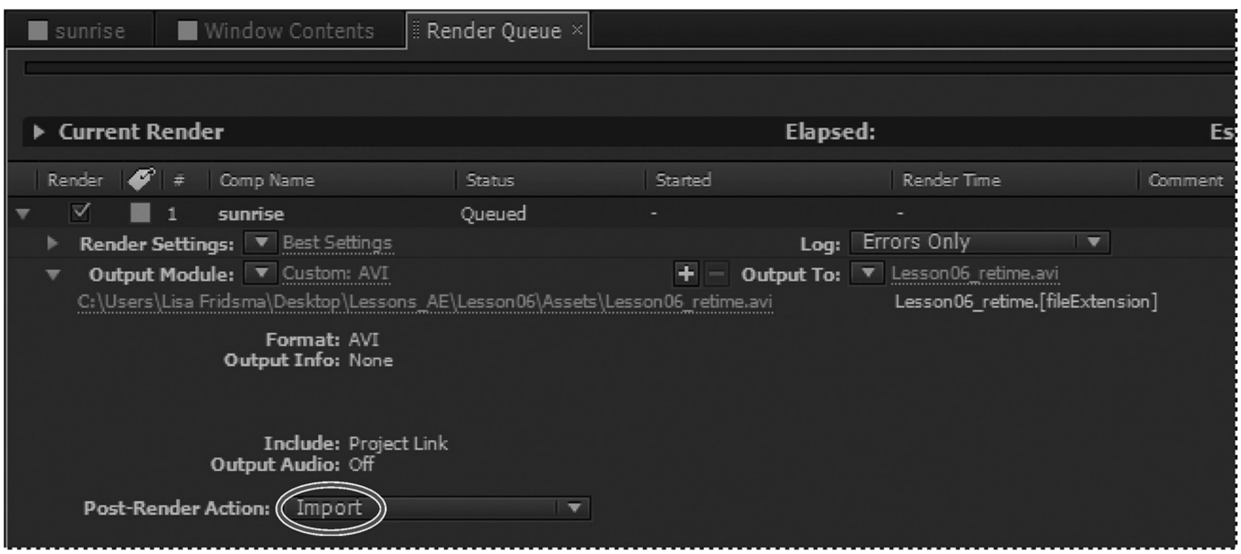
3. □□Render Queue□□□□□□Render Settings□□□□□Output To□□□□□□□□□□□□□□□□Not Yet Specified□□□6.63□□□



□6.63

4. □□□AECC_CIB\Lessons\Lesson06\Assets□□□□□□□□□□Lesson06_retime.avi□Windows□□Lesson06_retime.mov□Mac OS□□□□□□Save□□□

5. □□Output Module□□□□□Post-Render Action□□□□□Import□After Effects□□□□□□□□□□□□□□□□□□□6.64□□□

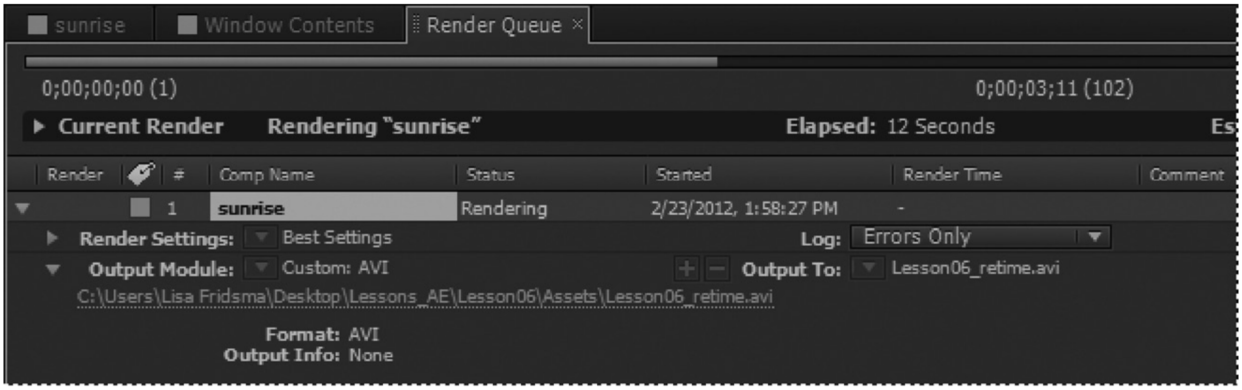


□6.64

6. □□Output Module□□□

7. □□Render Queue□□□□Render□□□

After Effects□□□6.65□□□



□6.65

8. After Effects□□□□□□□□□□□□□□□Render Queue□□□□□□□
Restore Frame Size□□□□□Render Queue□□□

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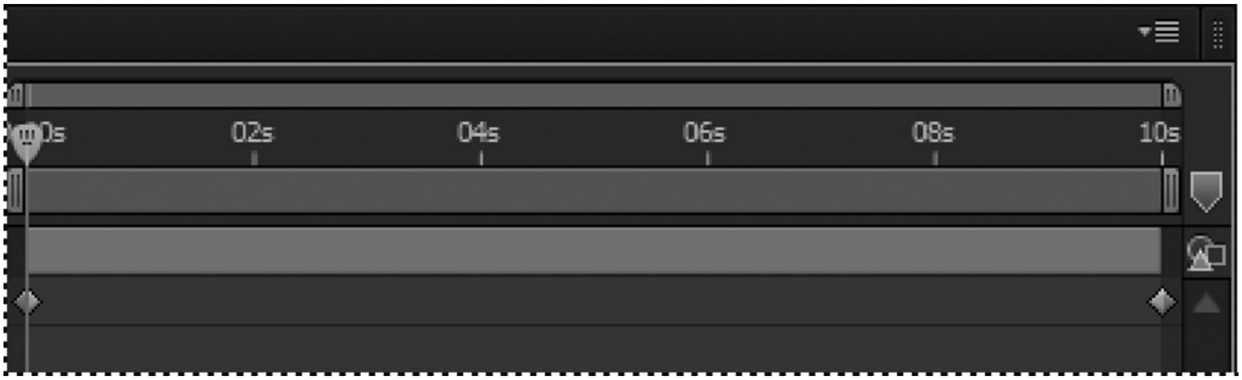
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1. □Lesson06_retime□□□□□□□Project□□□□□Create A New Composition□□□ □□□

After Effects□□□□Lesson06_retime□□□□□□□□□□□□□
Timeline□□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

2. □Timeline□□□□□Lesson06_retime□□□□□□
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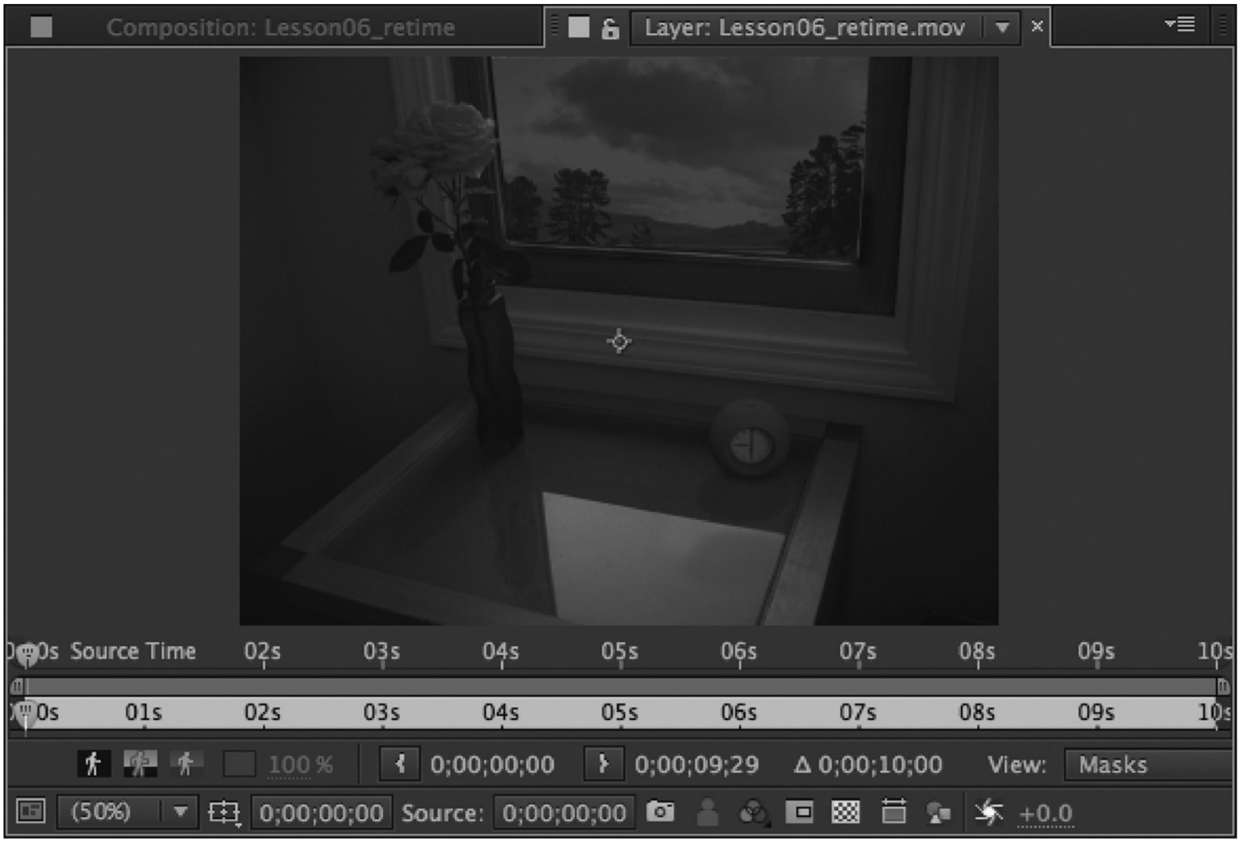
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3. □Timeline□□□□□Lesson06_retime□□□□□Layer□□□□□□□

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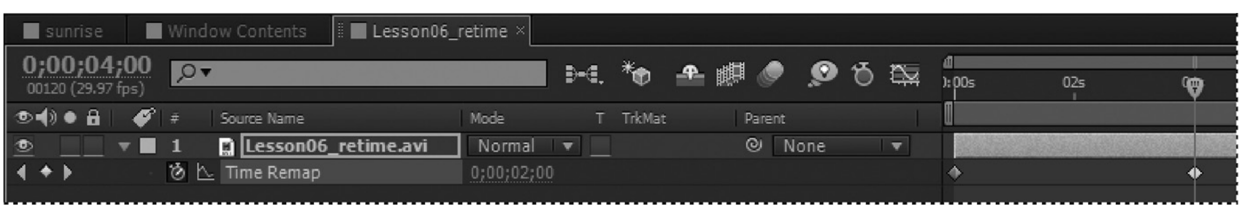


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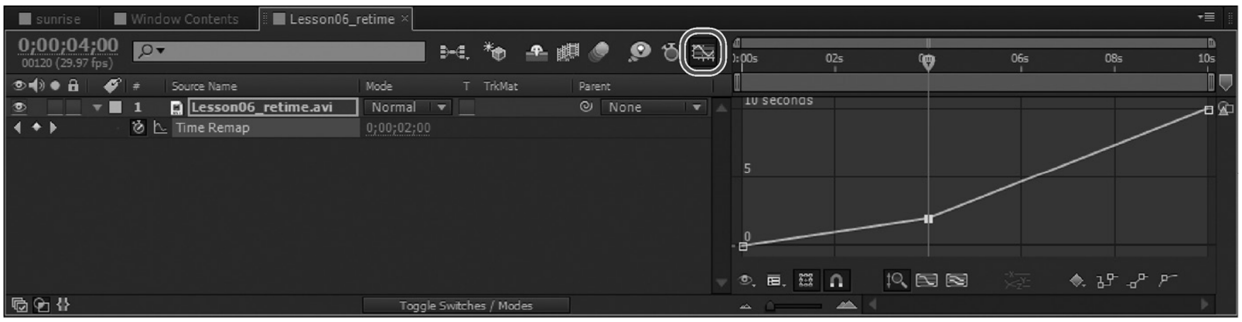
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6.9.1 □Graph Editor□□□□□□□□□

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6.9.2 □Graph Editor□□□□□

□□□Time Remap□□After Effects□□□□□□□□□□□□□Time Remap□□□□□□□□Time Remap□□□□□□□□□□□□□□□□□□□□□

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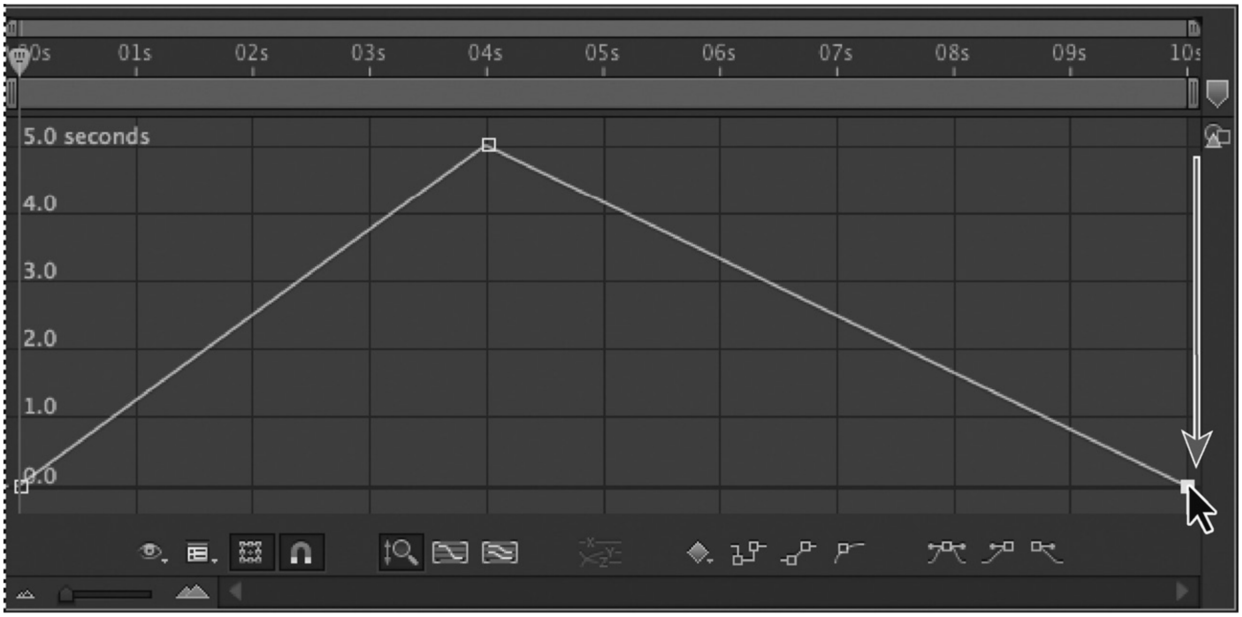
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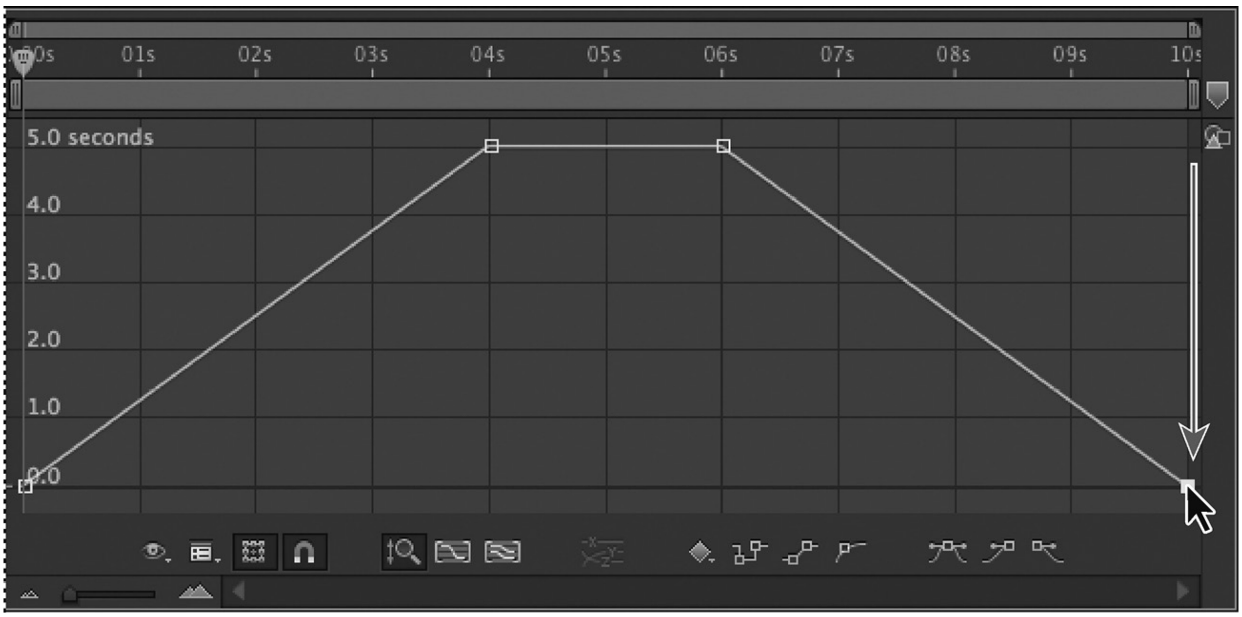
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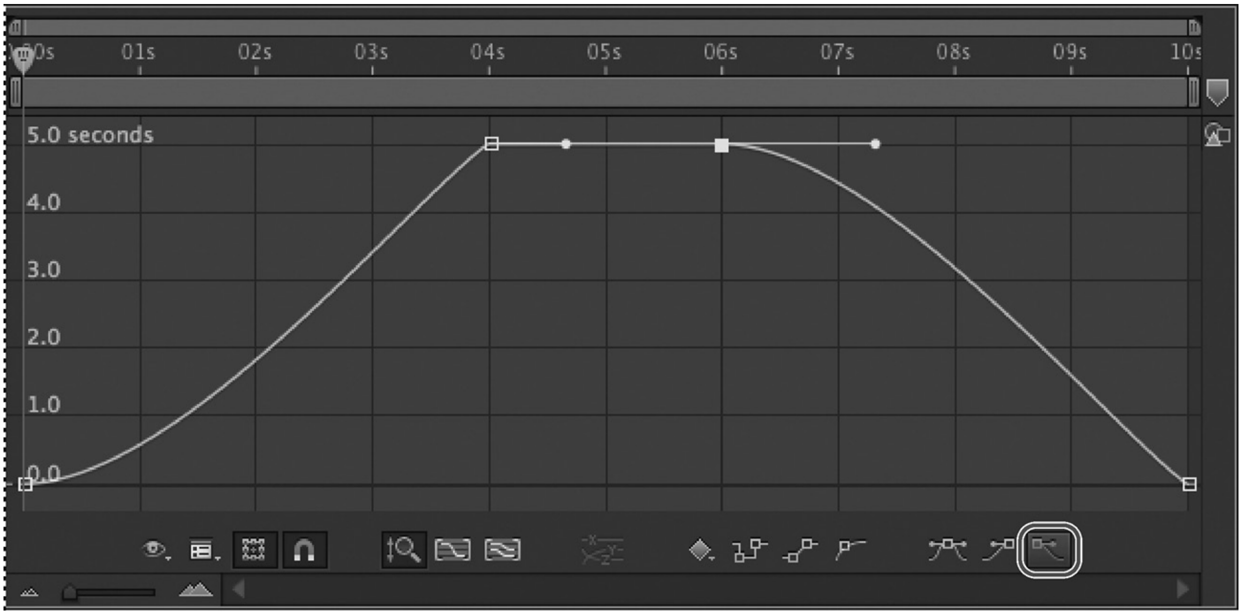
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6.9.3 □□Easy Ease Out

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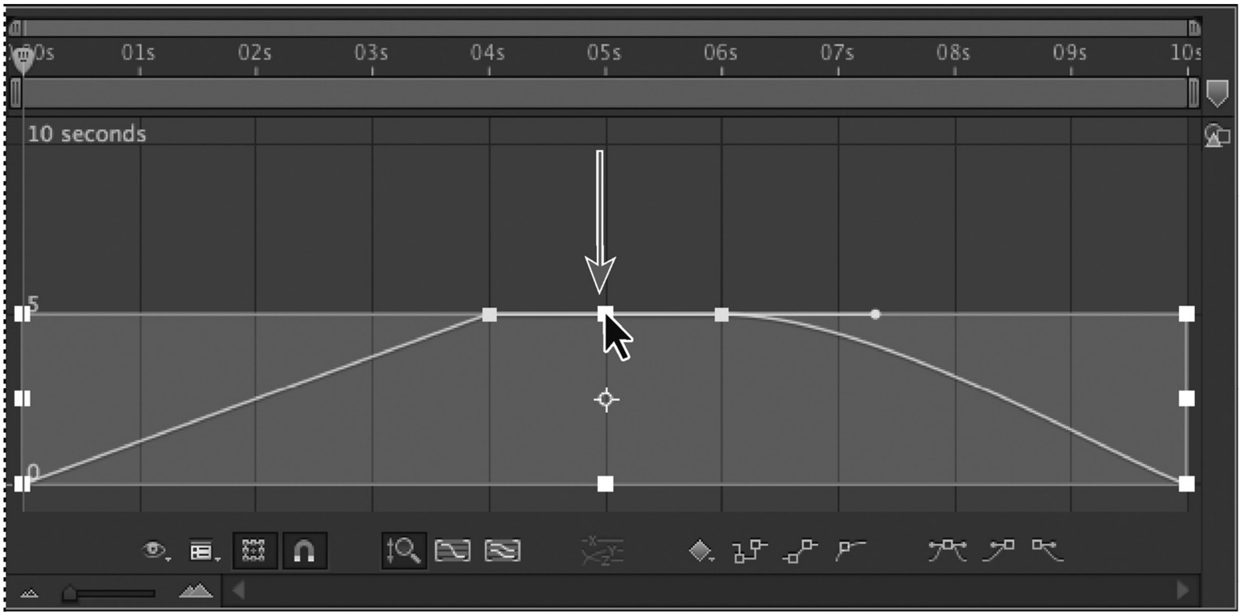
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1. After Effects□□□□Photoshop□□□

2. □□□Pick Whip□□□□□□□□□

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4. □After Effects□□□□□□□□□

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4. After Effects□□Graph Editor□□After Effects□□□□□□□□□□□□□□□Time Remap□□□□□□□□□□Time Remap□□□□□□□□□□□□□□□□□□□□□TimeRemap□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

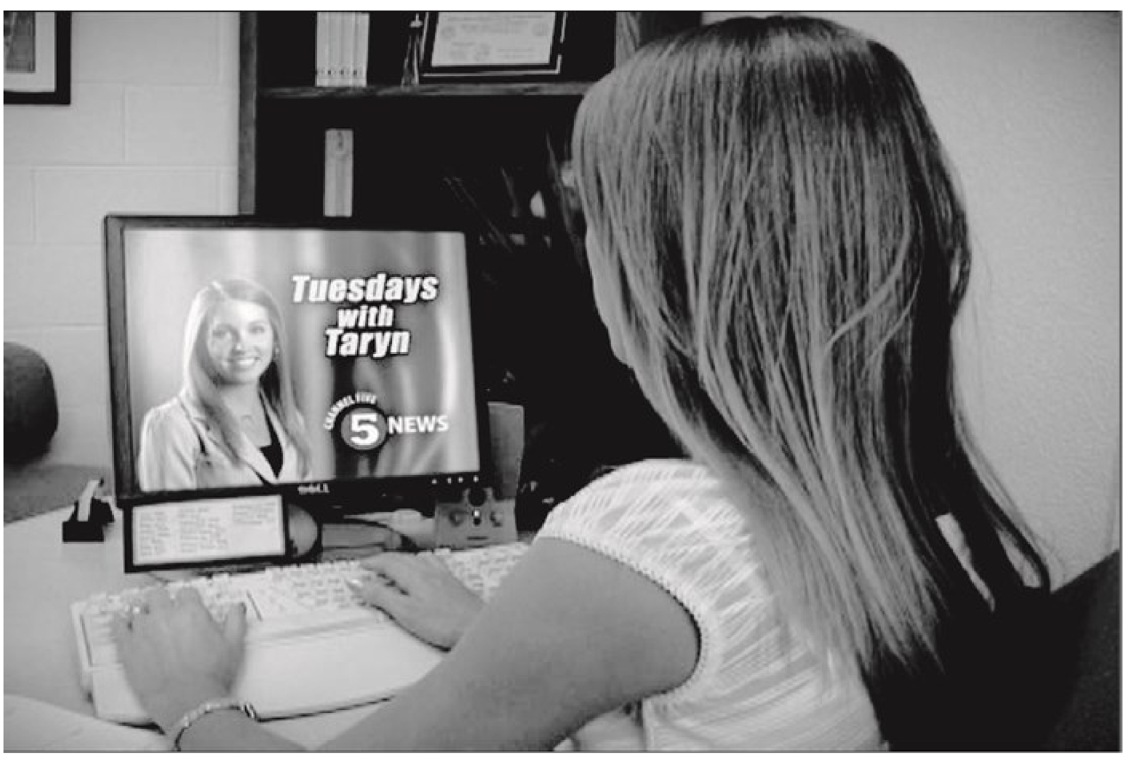
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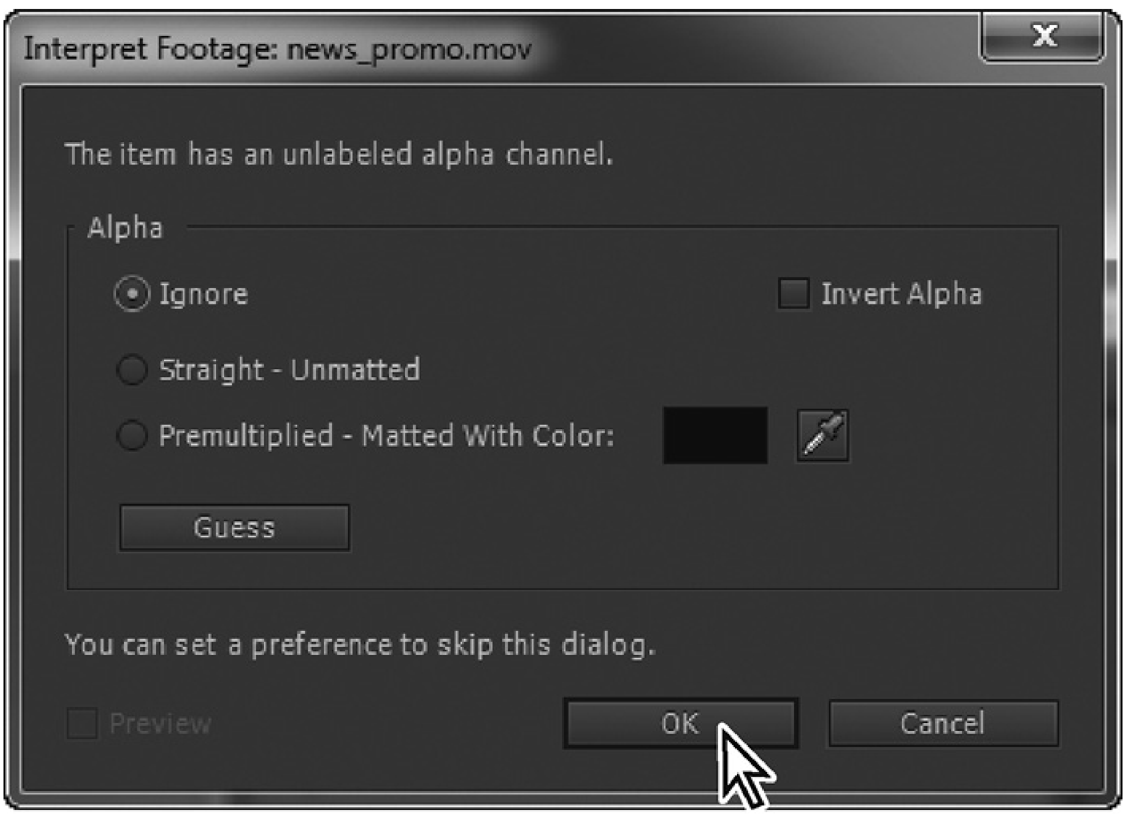
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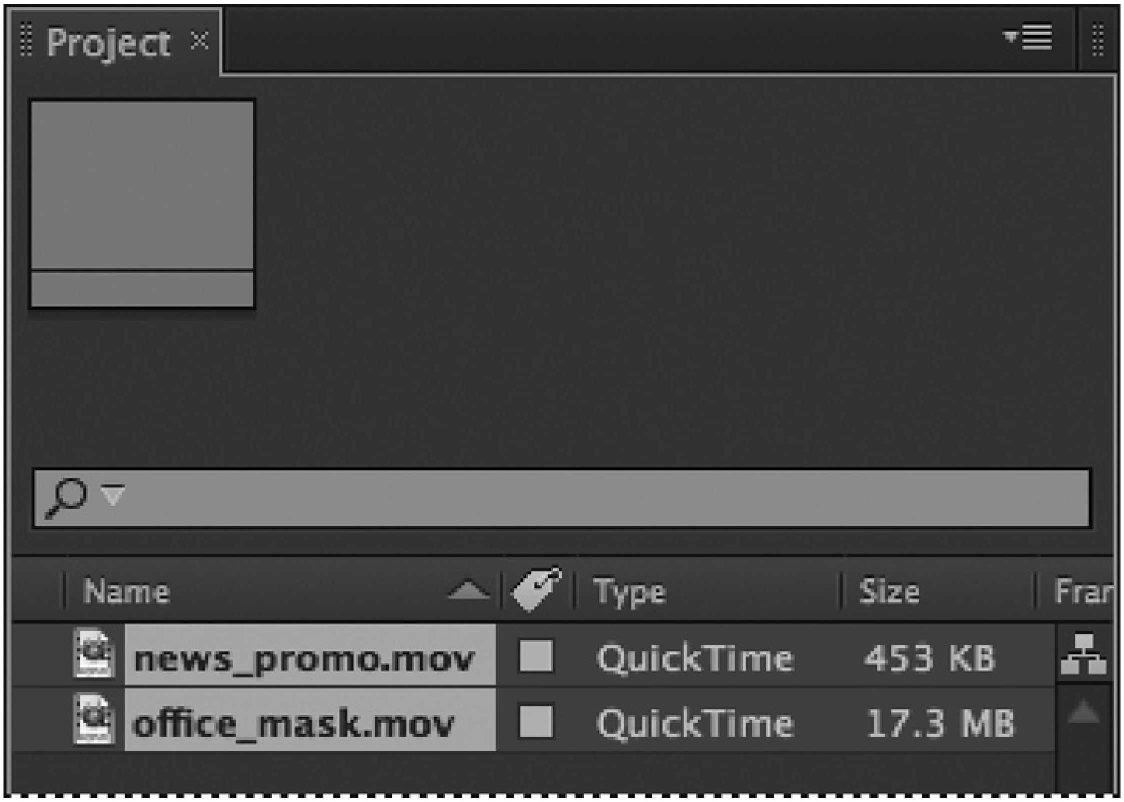
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3. □□□□Interpret Footage□□□□□□□Ignore□□□□□OK□□□□□7.1□□7.2□□□



□7.1



□7.2

news_promo□□□□□Alpha□□□□□□□□□□□□

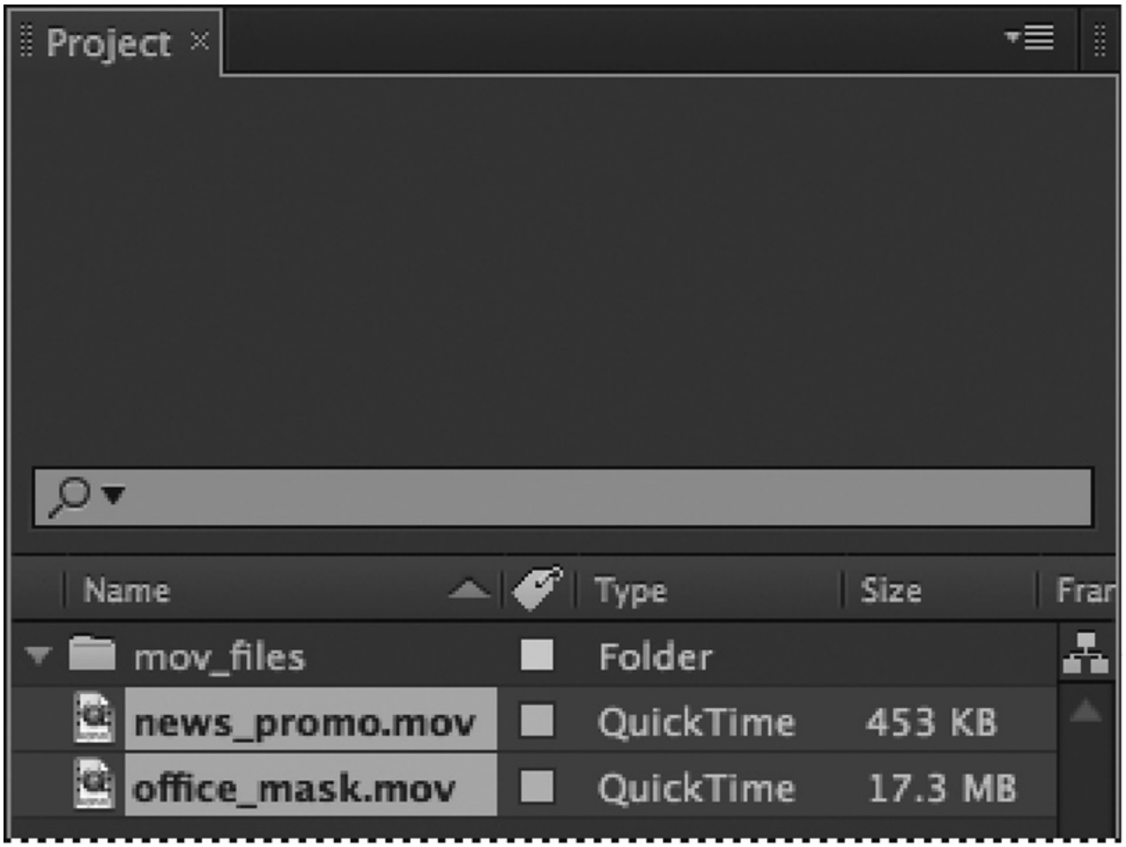
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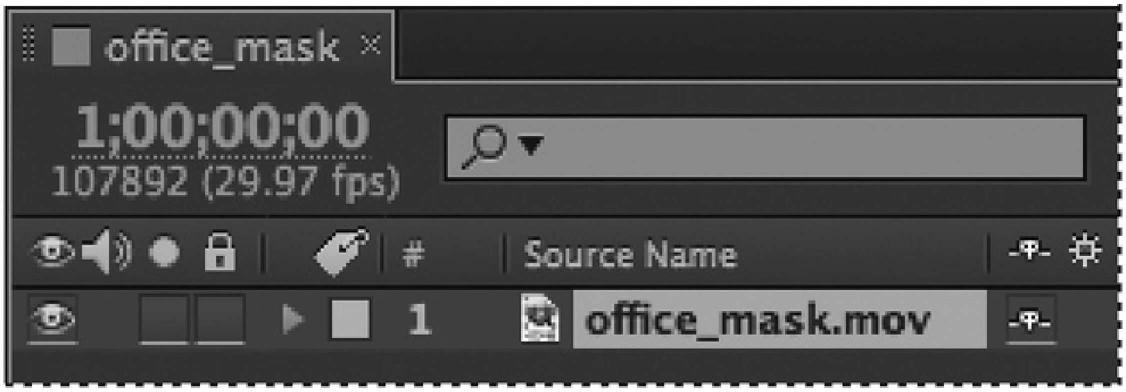


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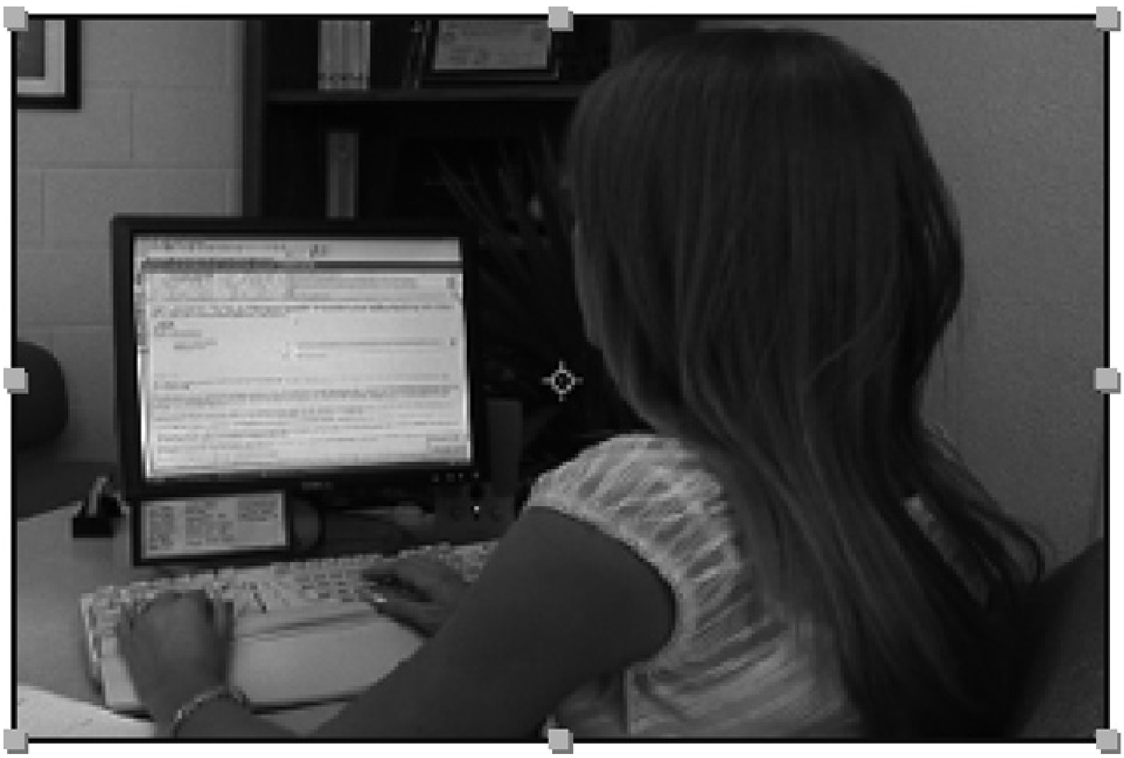
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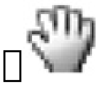
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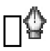
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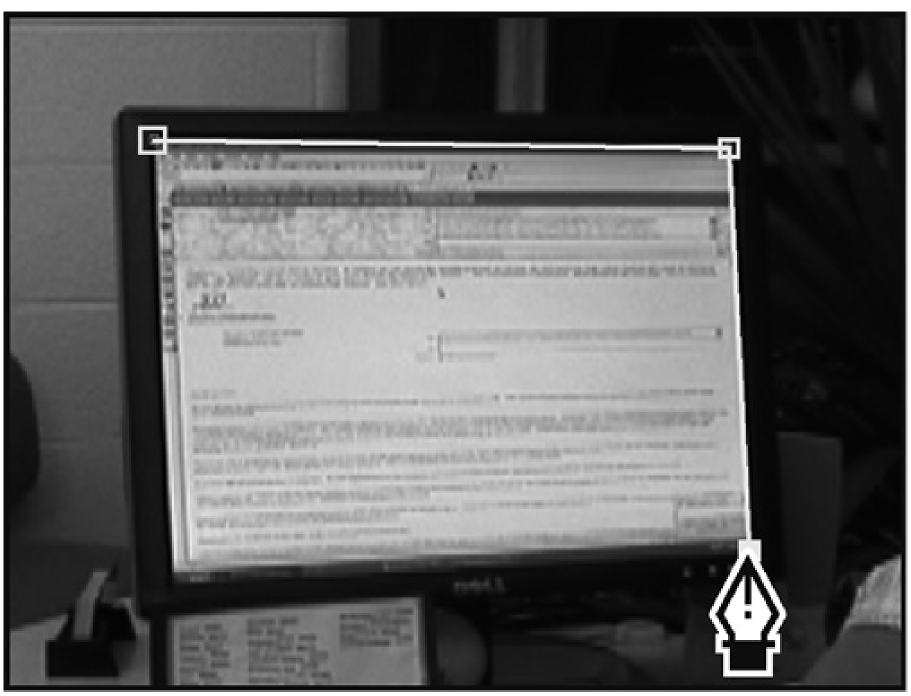
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6. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

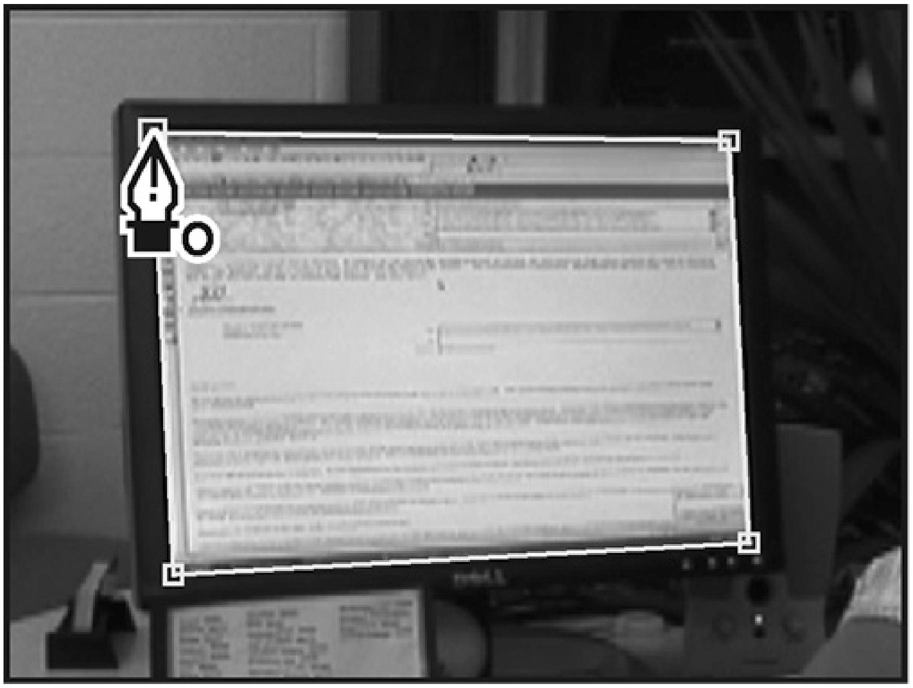
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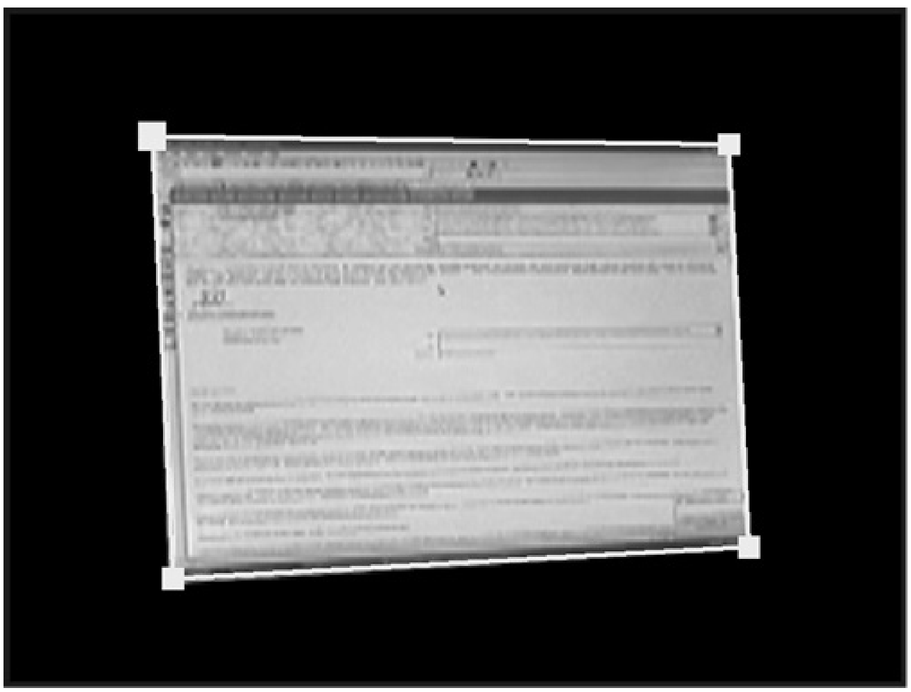
□7.6



□7.7



□7.8



□7.9

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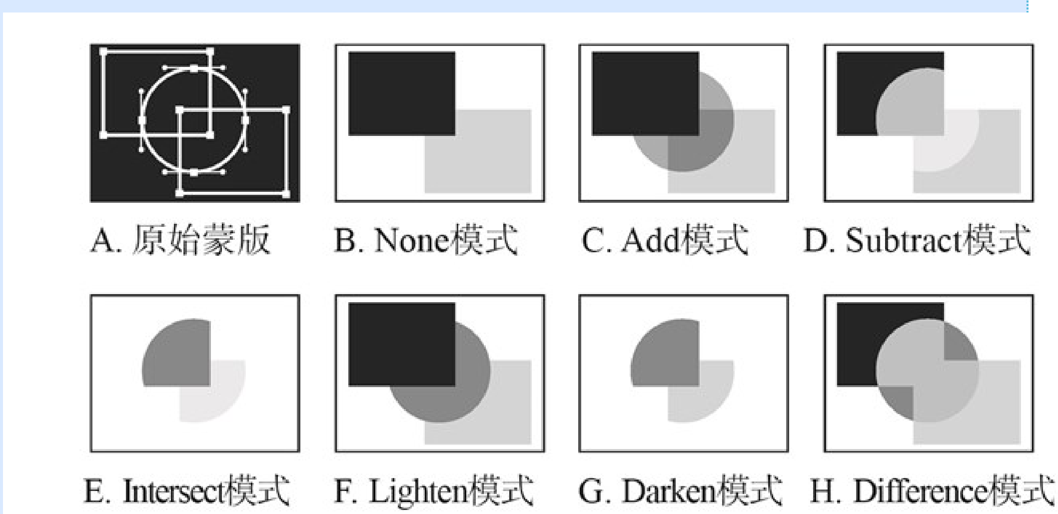
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7.10□□□



□7.10

7.4.1 □□□□

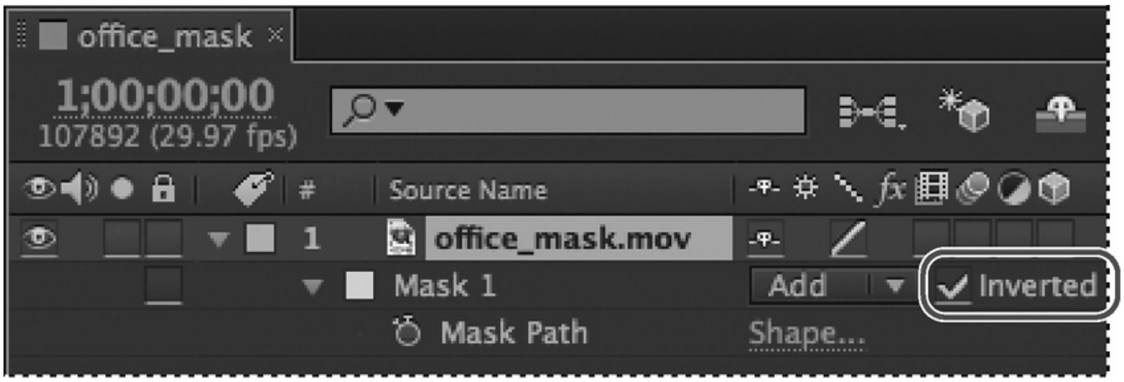
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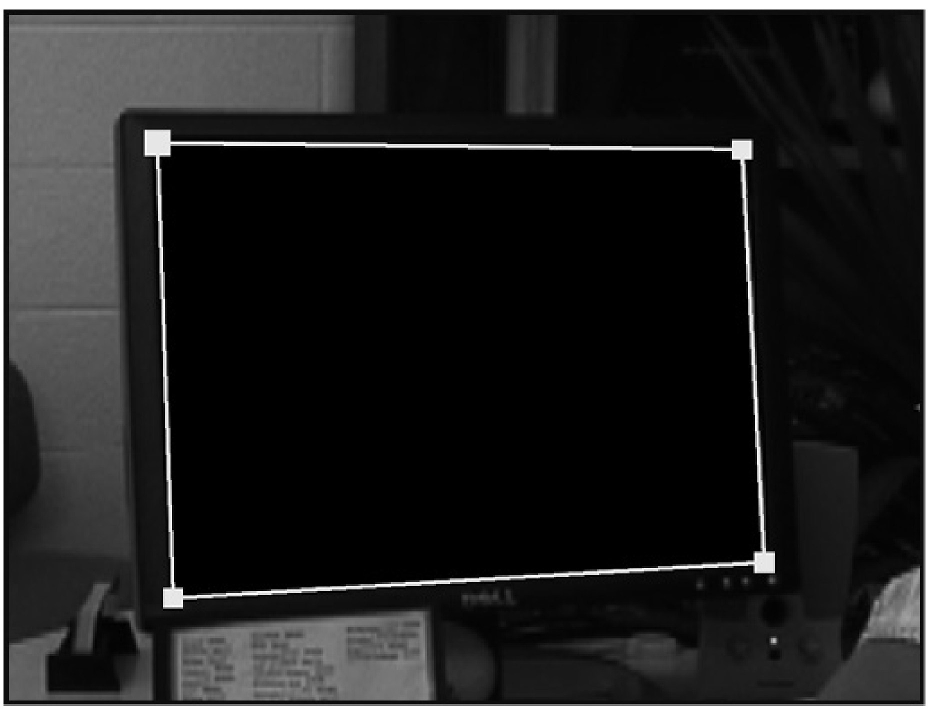
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□□□□□□□□□□□□□Mask Mode□□□□□□□Subtract□□□□Inverted□□□

2. □□Mask 1□Inverted□□□□□□7.11□□7.12□□□



□7.11

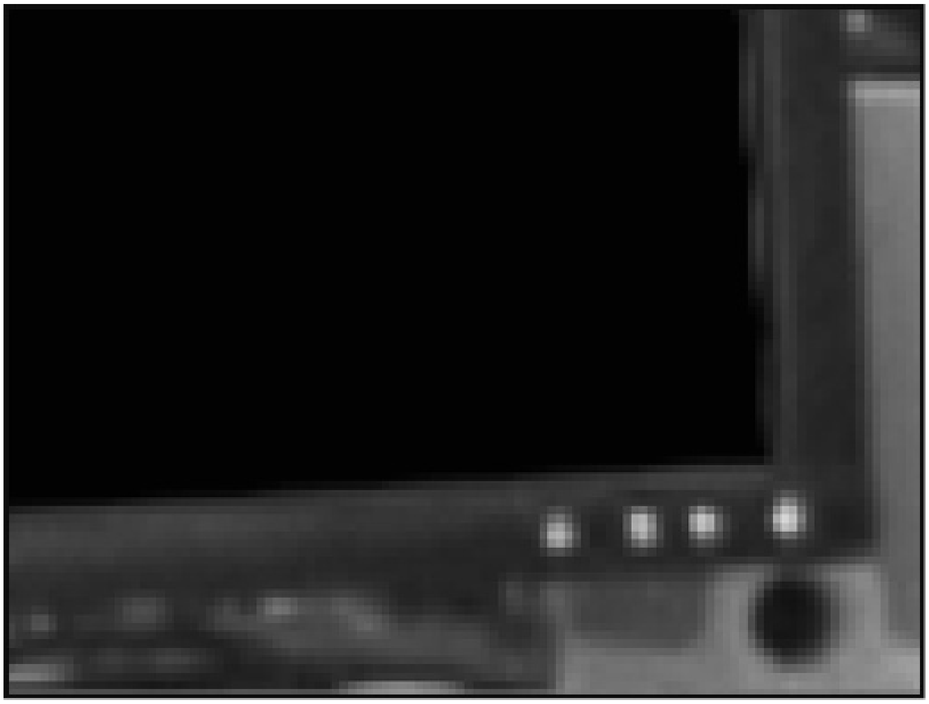


□7.12

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3. □F2□□□□□□Timeline□□□□□□□□□□□□□□□□office_mask□□□

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□7.13

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7.4.2 □□□□□

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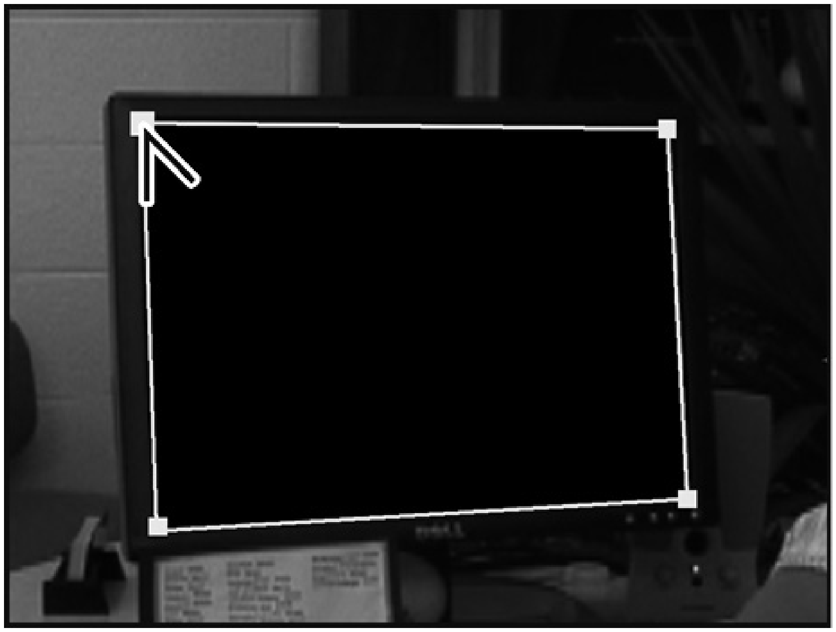
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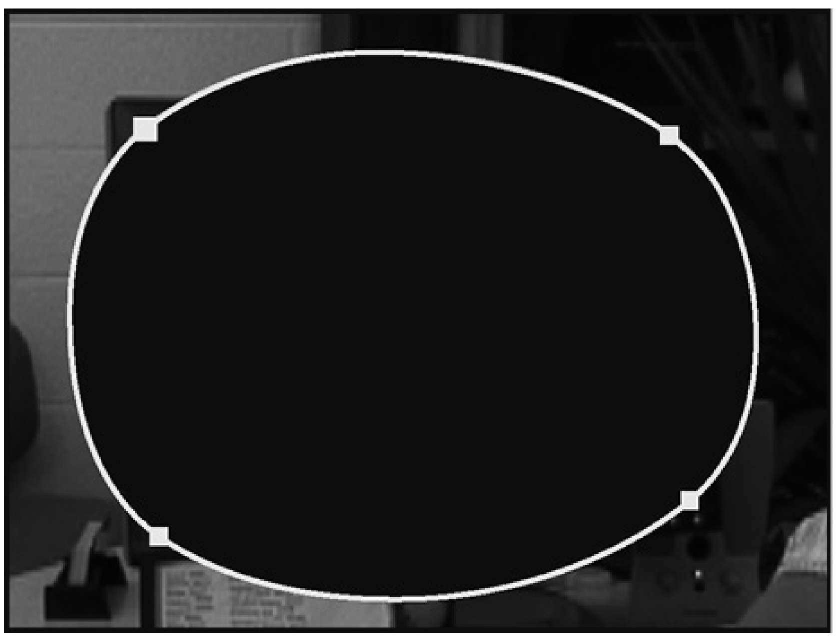
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□7.14



□7.15

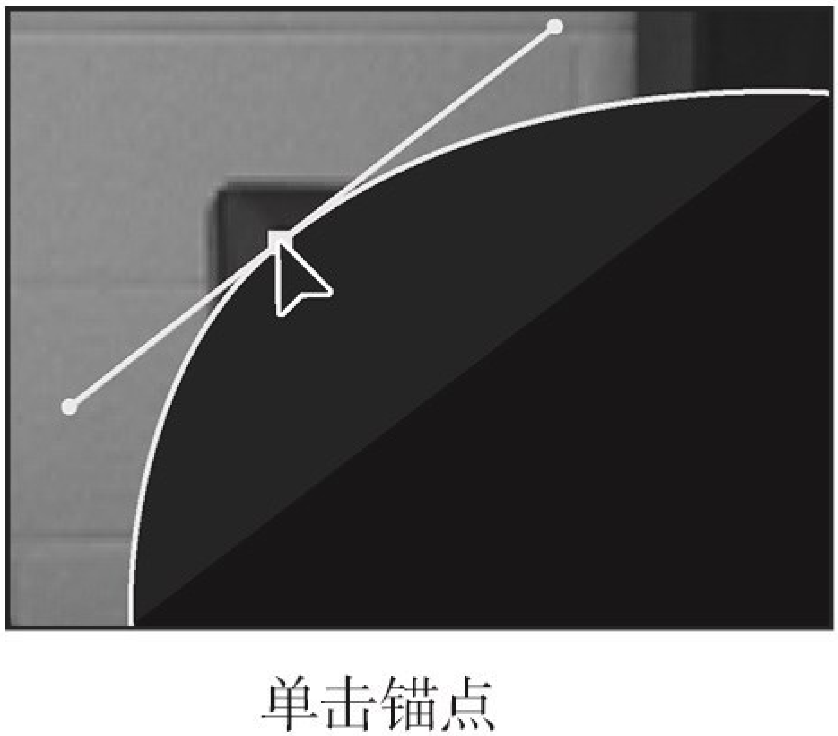


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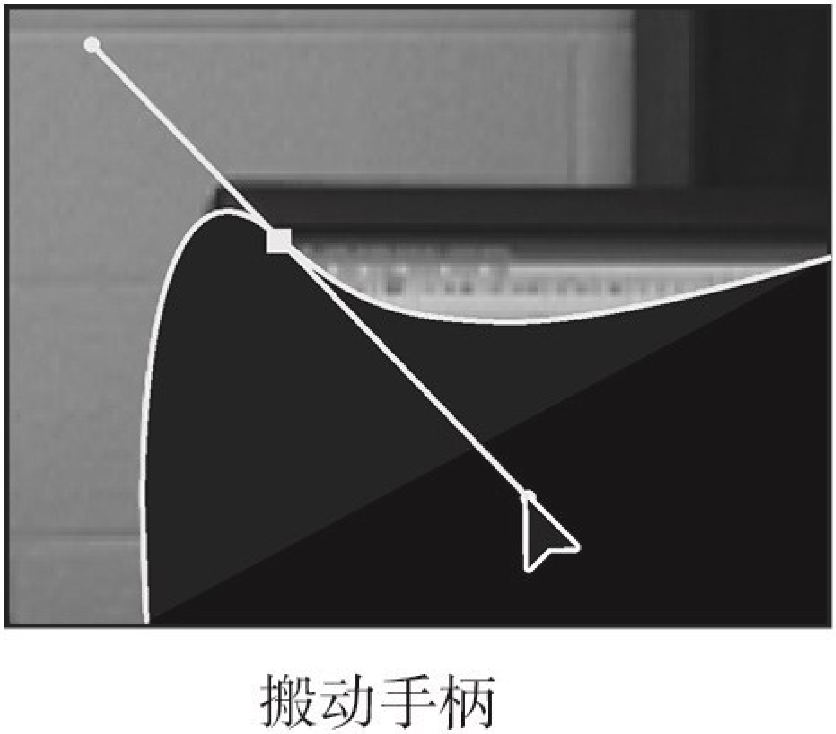
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5. [illegible]7.17[illegible]7.18[illegible]



[illegible]7.17



□7.18

6. □□□

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7.4.3 □□□□□

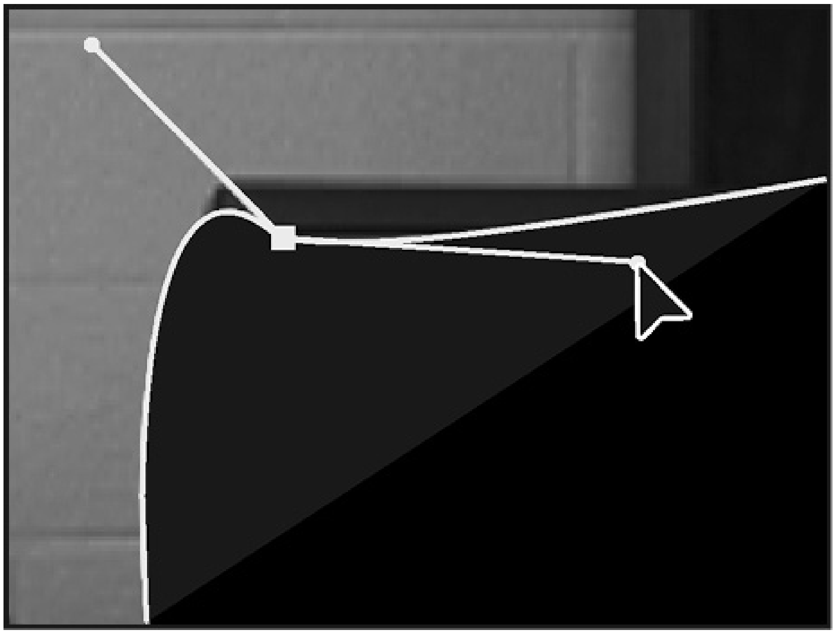
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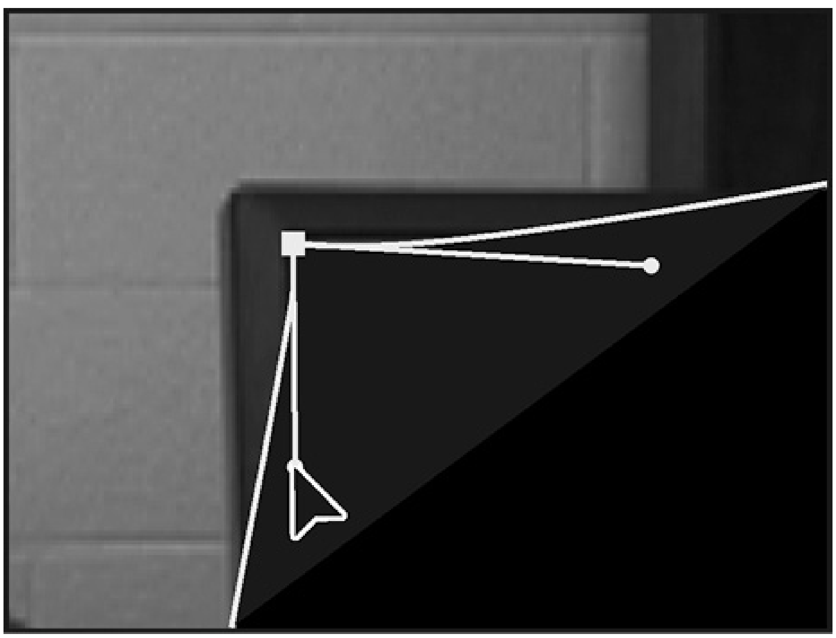
2. □□□□□□□□□□□□□□□□□□□□□□□

3. □□

4. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□7.19□□7.20□□□



[illegible]7.19



[illegible]7.20

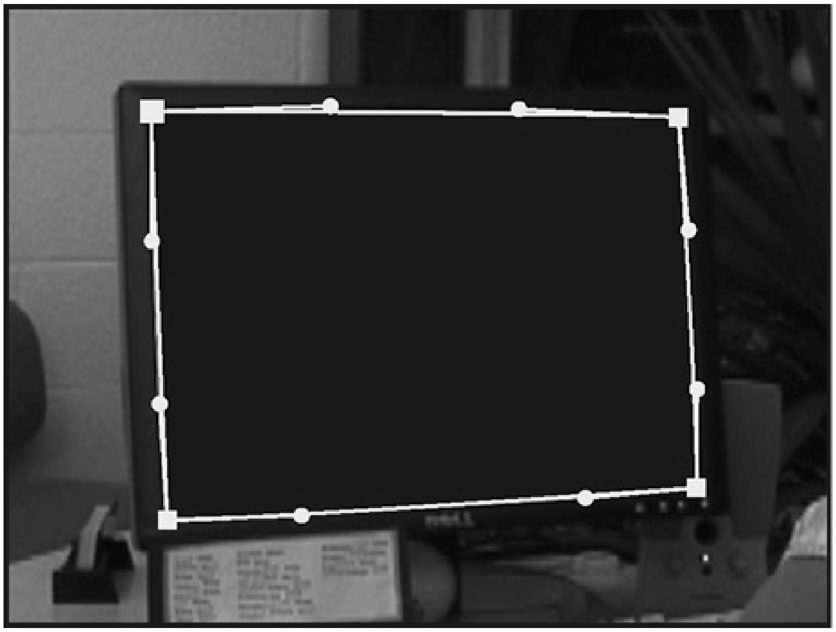
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6. □□□□□□□Timeline□□□□□□□Office_mask□□□□□□□□□□□□□□□□□□□□□□□□□□□7.21□□7.22□□□



□7.21



□7.22

7. □□File>Save□□□□□□□

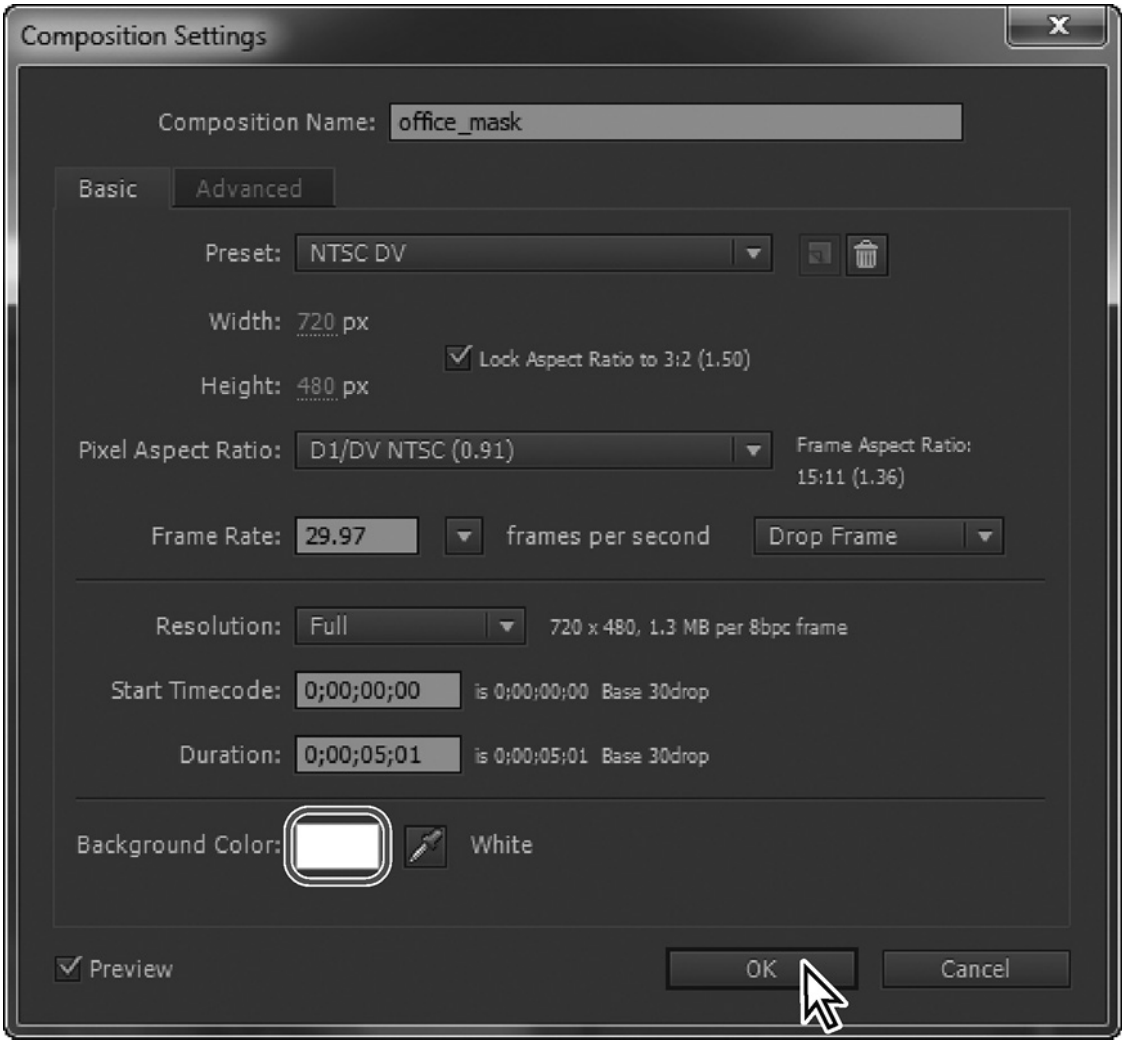
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> □□□Convert Vertexa□□Composition□□□□Pen□□Selection□□□□□□□□□□□

7.5 □□□□□

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1. □□Composition> Composition Settings□□□

2. □□Background Color□□□□□□□□□□□□R=255□G=255□B=255□□□□□□OK□□□Color Picker□□□□□OK□□□□Composition Settings□□□□□□7.23□□□

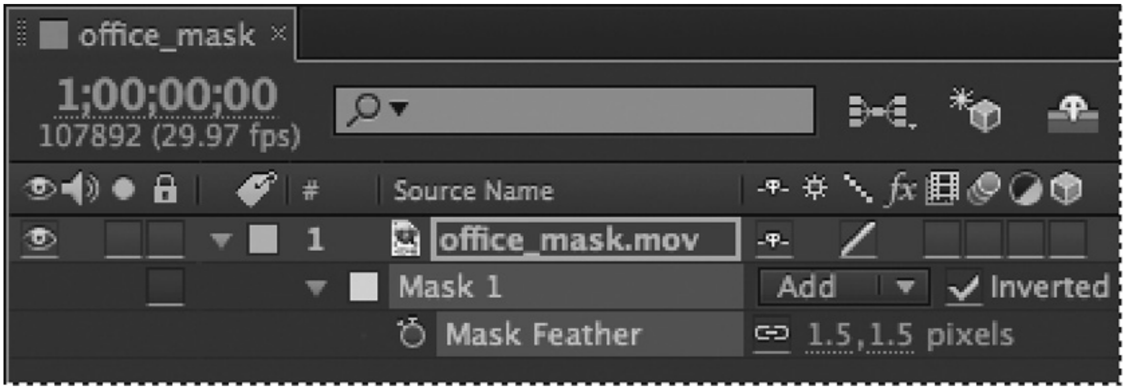


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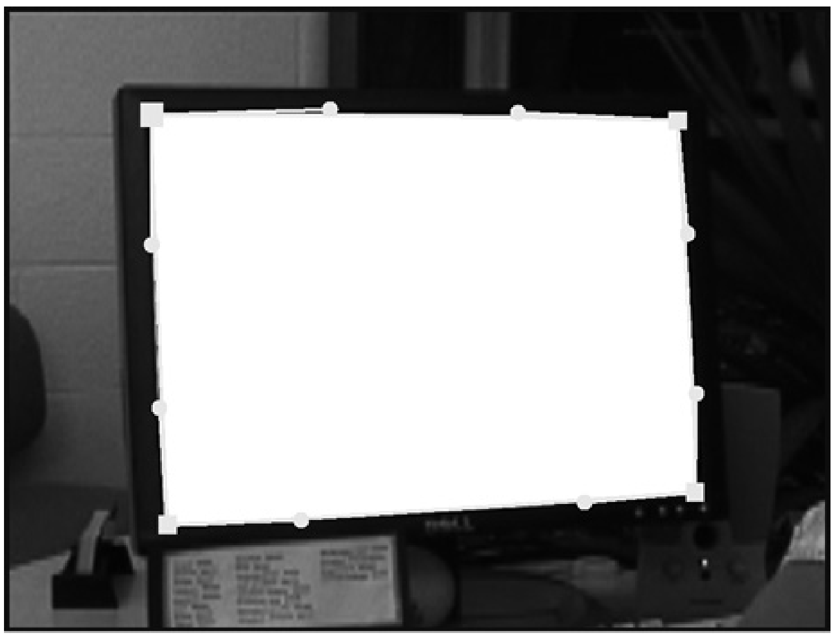
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3. □Timeline□□□□□office_mask□□□□F□□□□□□Mask Feather□□□

4. □Mask Feather□□□□□1.5□1.5□□□□□□7.24□□7.25□□□



□7.24



□7.25

5. □□office_mask□□□□□□□□□File>Save□□□□□□□□

7.6 □□□□□□□

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1. □Project□□□□□□news_promo.mov□□□□□□□Timeline□□□□□□□office_mask□□□□□

2. □Composition□□□□□Magnification Ratio□□□□□□□□Fit Up To 100%□□□□□□□□□□□□□□

3. □Selection□□□ □□□Composition□□□□news_promo□□□□□□□□□□□□□□□□□□□□□□□□7.26□□7.27□□□



□7.26



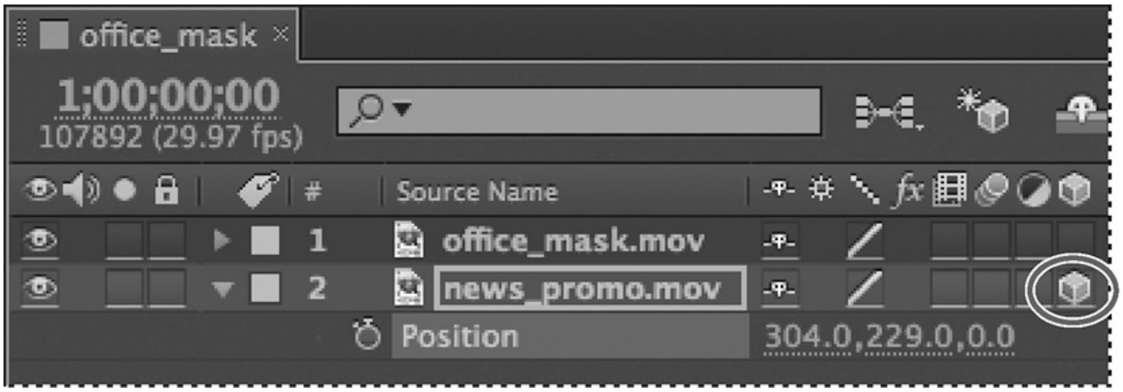
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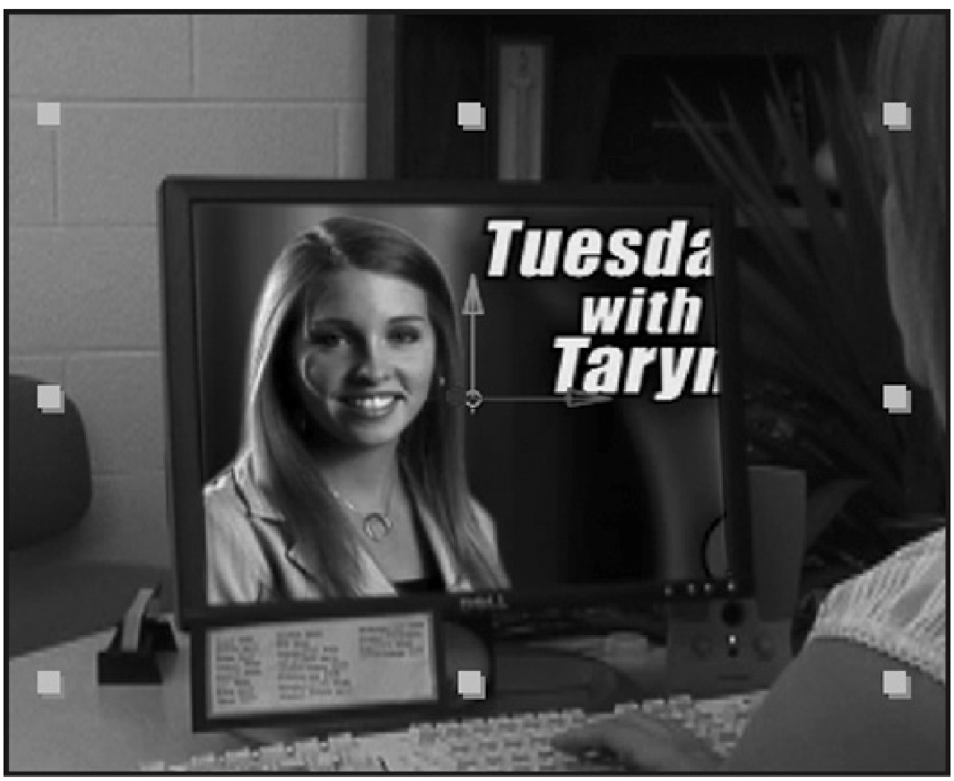
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1. □□Timeline□□□news_promo□□□□□□□□□□3D□□□

2. □P□□□news_promo□□□Position□□□□7.28□□7.29□□□



□7.28



□7.29

3D□□□Position□□□3□□□□□□□□□□□□□□*x* □□*y* □□*z* □□□□*z* □□□□□□□□□
□Composition□□□□□□□□□□□□□□□□□

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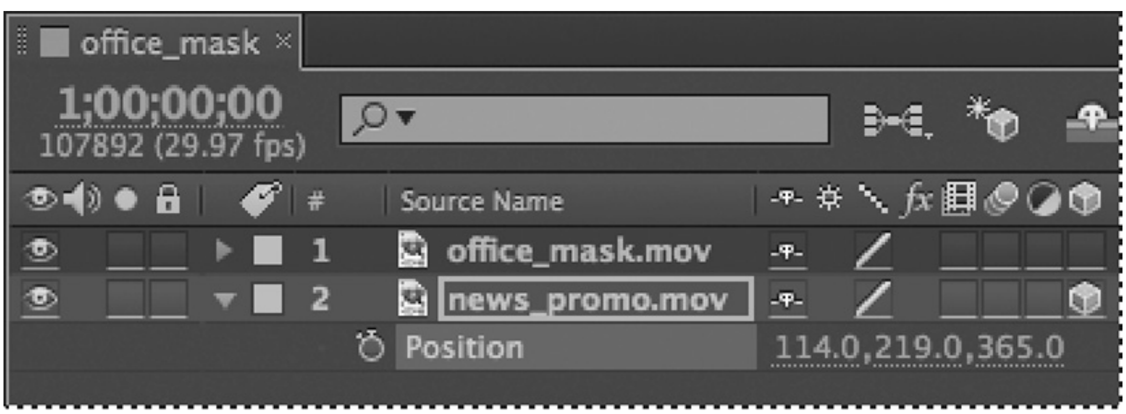
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4. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

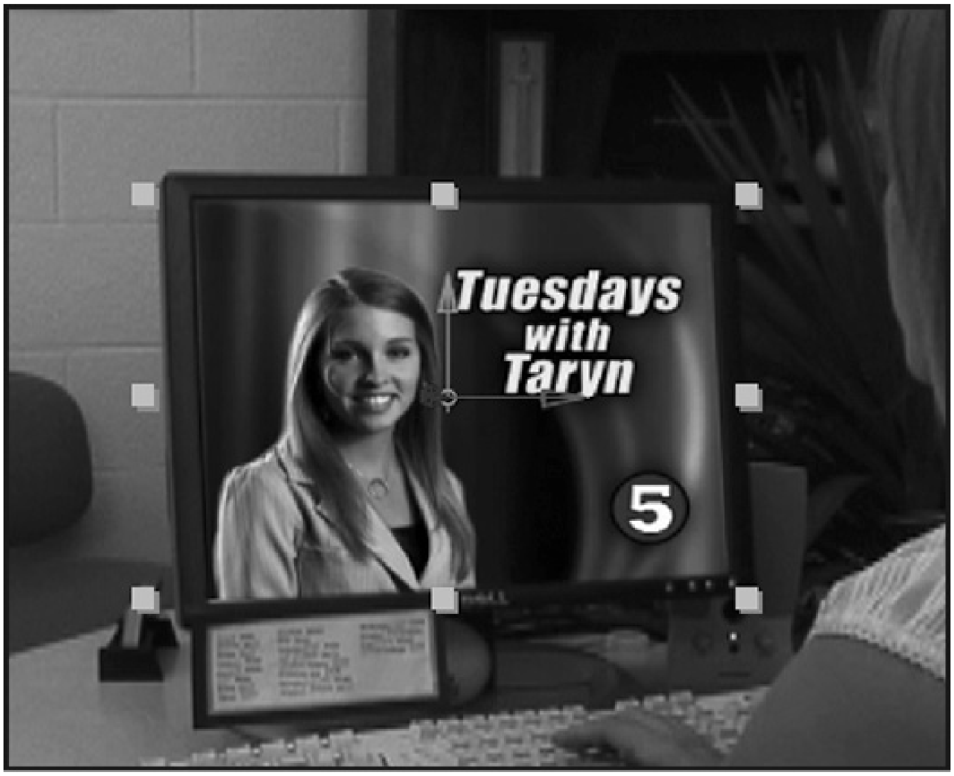
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6. □Composition□□z□□□□□□□□□□□□□□

7. □□□□*x* □*y* □*z* □□□□□□□□□□□□□□□□□□□□□□□□□□□□□x□y□z□□□□□□114□219□365□□□7.30□□7.31□□□



□7.30



□7.31

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> □□□□Timeline□□□□□□□Position□□□□□□□□Composition□□□□□□

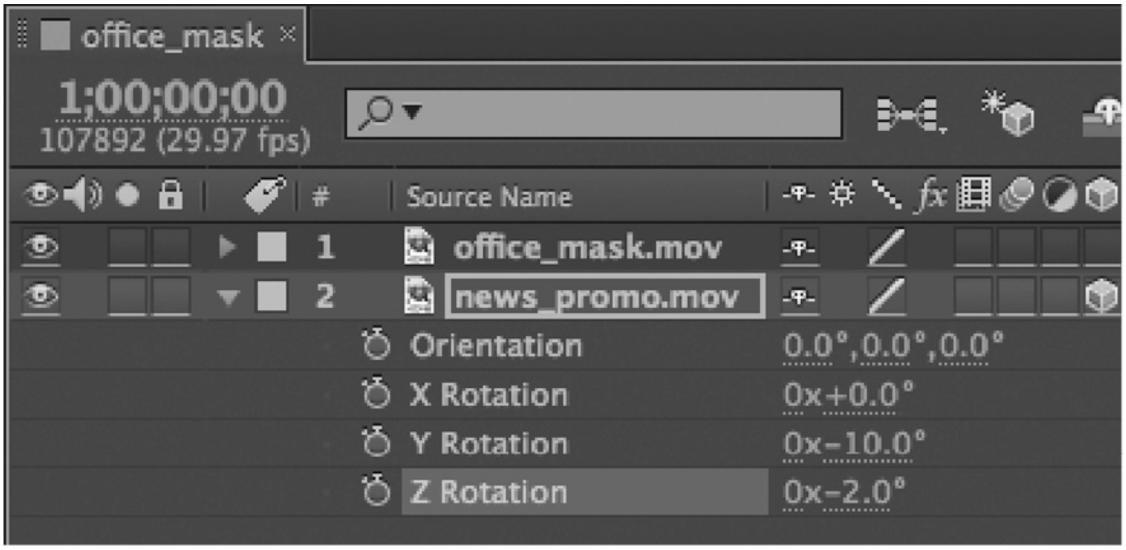
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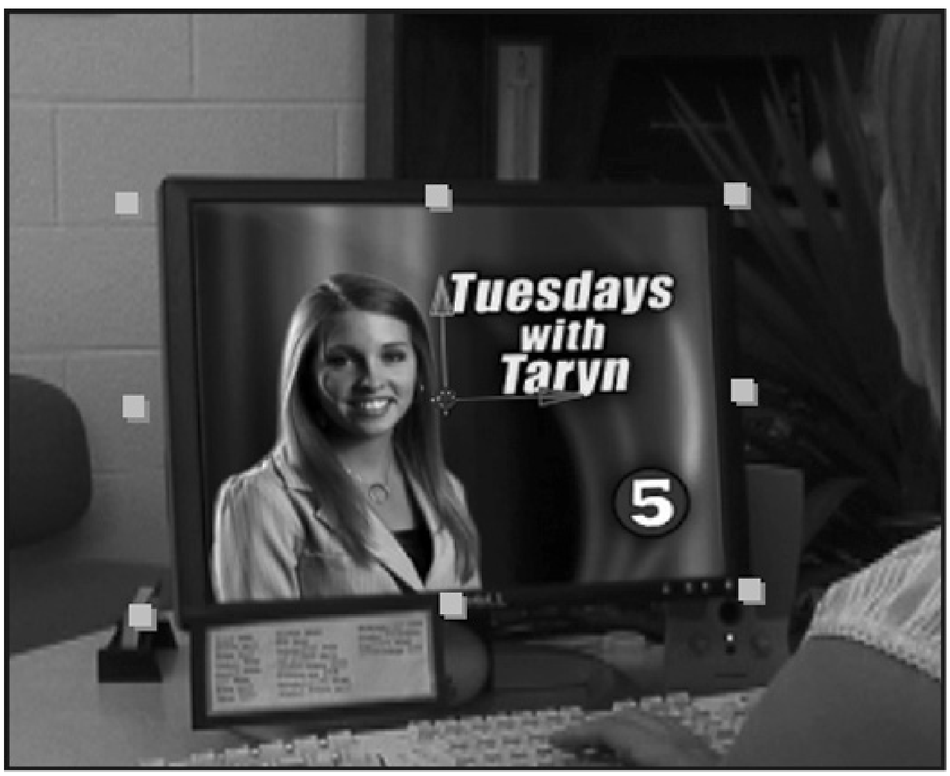
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2. □Y Rotation□□□−10°□□□□□□□□□□□□□□□□□

3. □Z Rotation□□□−2°□□□□□□□□□□□□7.32□□7.33□□□



□7.32



□7.33

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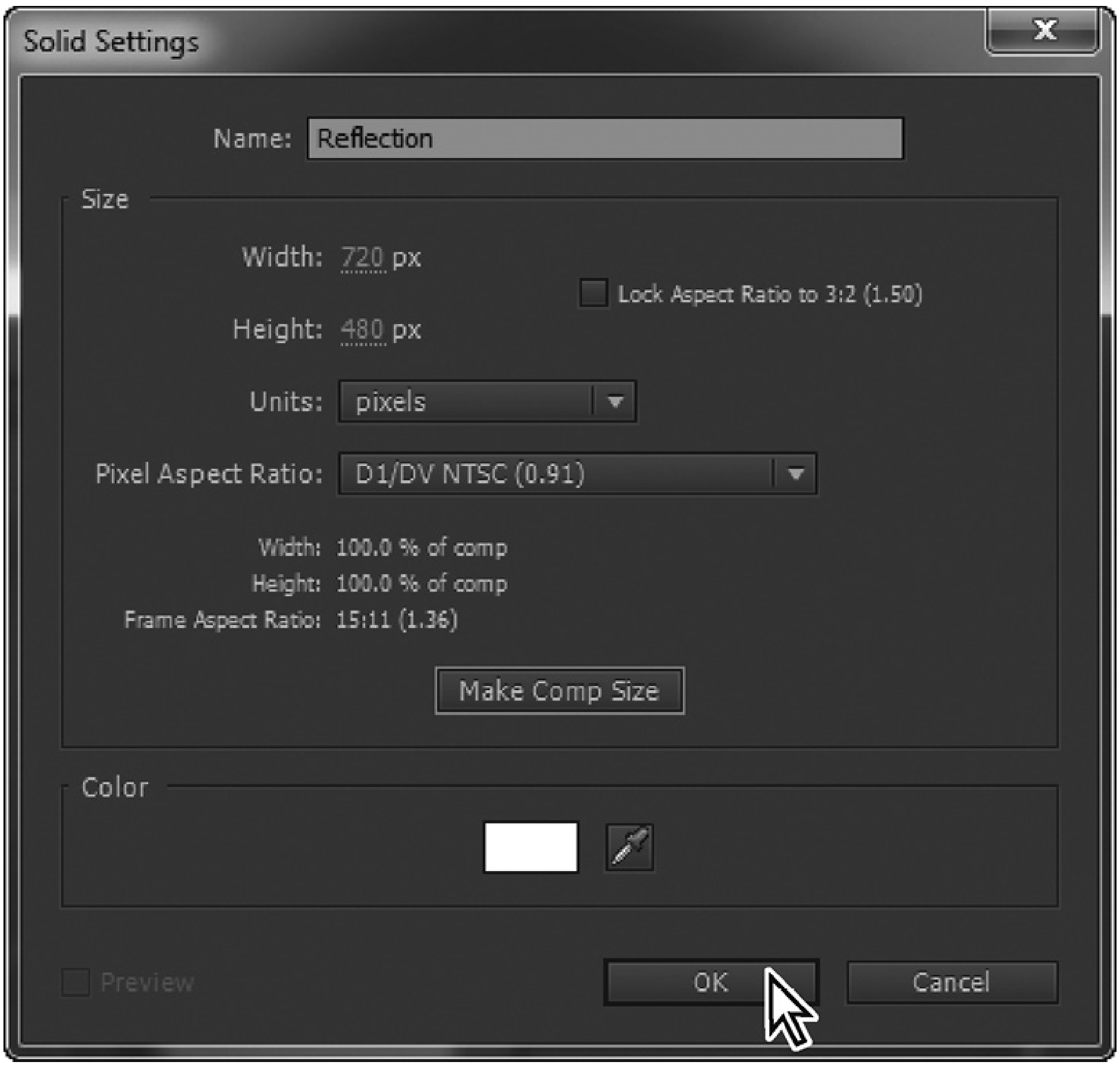
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7.7 □□□□□

□□

1. □□Layer>New>Solid□□□

2. □□□□Solid Settings□□□□□□□□□□□□Reflection□□□Make Comp Size□□□□Color□□□□□□□□□□OK□□□□□7.34□□□



□7.34

□□□□□□□□□office_mask□□□□□□□□□□□□□□□□□□Reflection□□□□□

3. □Timeline□□□□□office_mask□□□□□□M□□□□□□□□□Mask Shape□□□

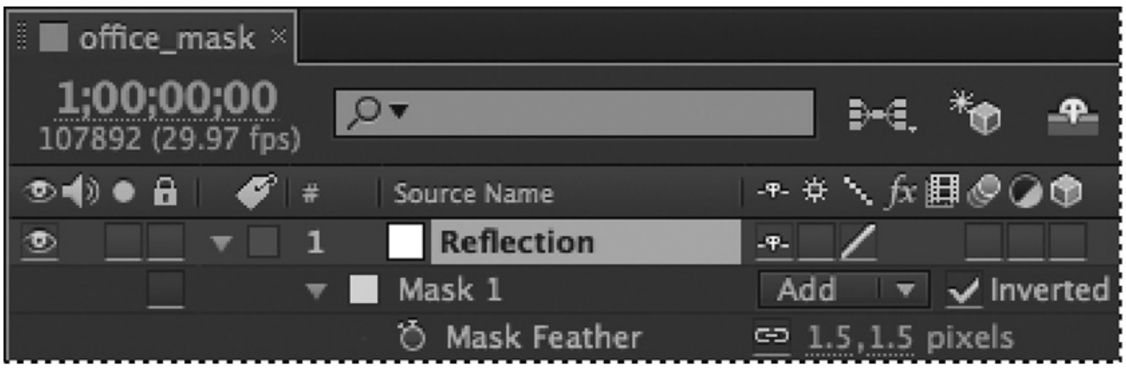
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5. □Timeline□□□□□Reflection□□□□□□□Edit>Paste□□□□□□Ctrl+V□Windows□□Command+V□Mac OS□□□□□

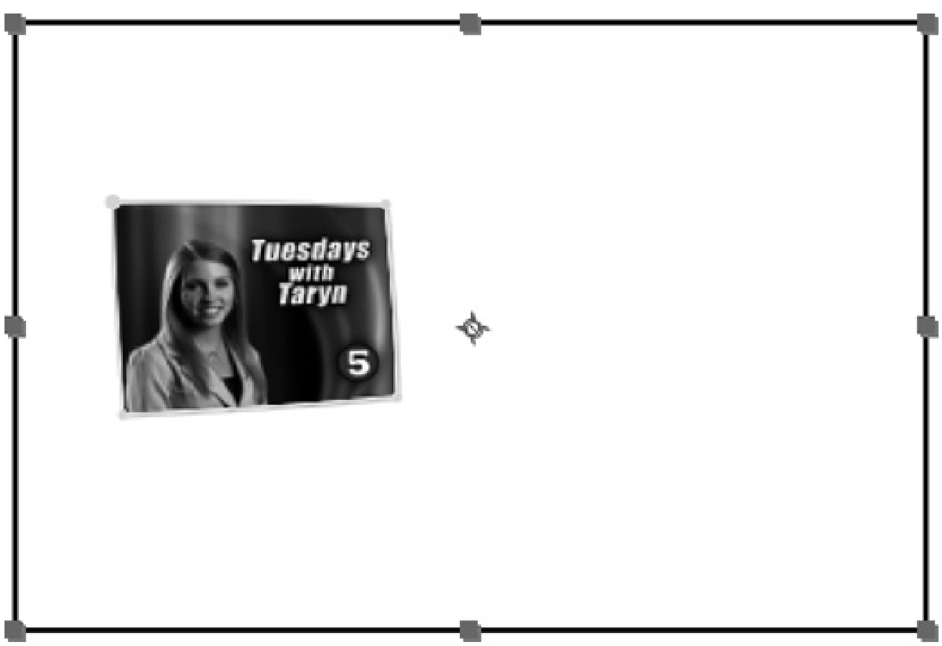
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6. □□office_mask□□□□□□U□□□□□□□

7. □Timeline□□□□□Reflection□□□□F□□□□□□□Mask 1□□□Mask Feather□□□□□7.35□□7.36□□□



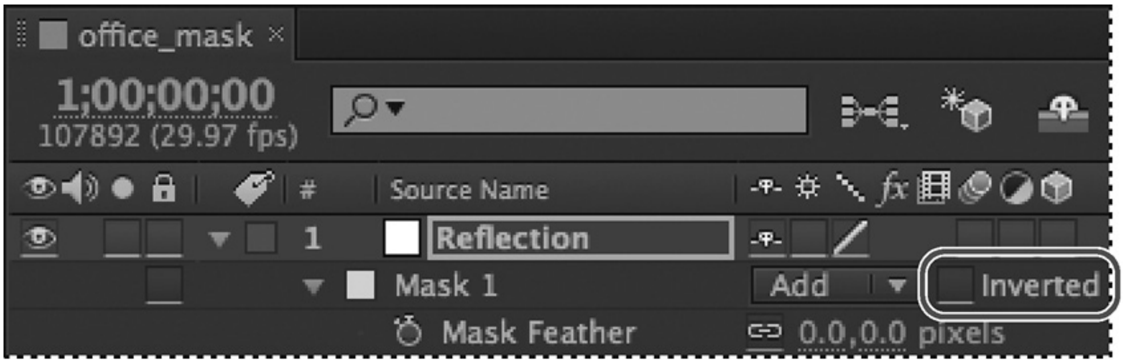
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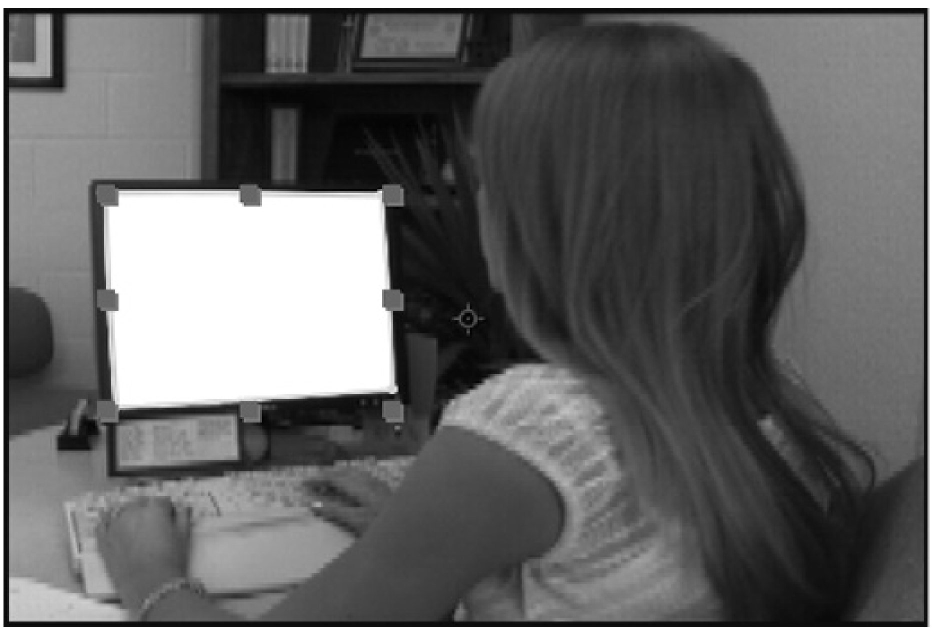
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8. □□Mask Feather□□0□

9. □□□□Inverted□□□□□Reflection□□□□□News_promo□□□□□7.37□□7.38□□□



□7.37



□7.38

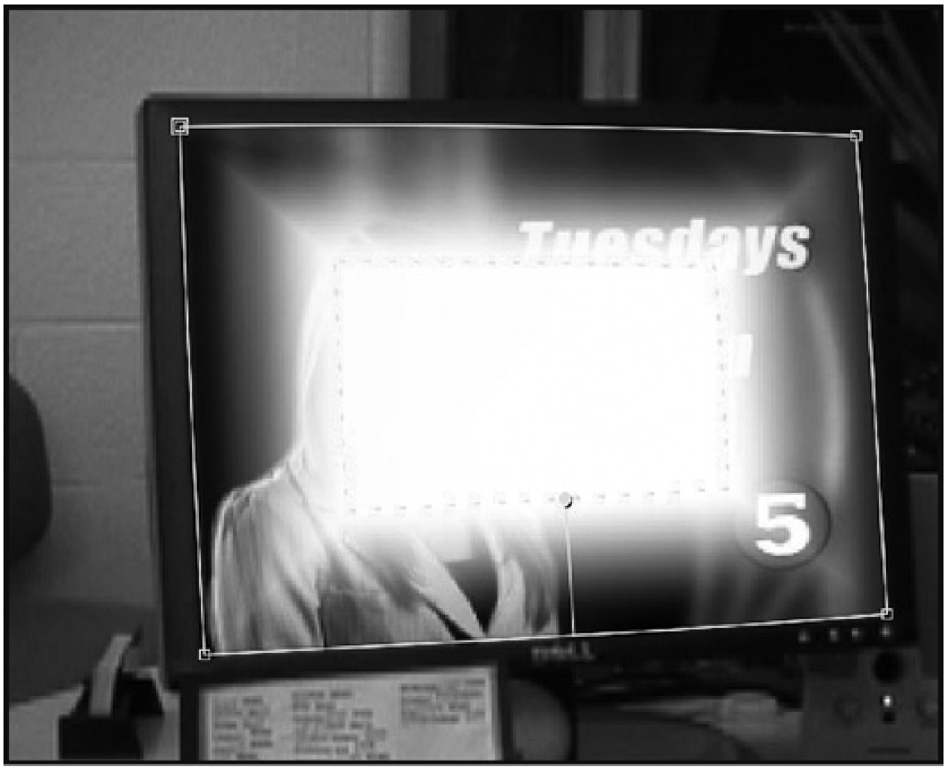
10. □□□□□□□□□□Tools□□□□□□□□□Convert Vertex□□□ □□Mask Feather□□□ □□□7.39□□□



□7.39

□□□□□□□□□□□□□□□□□□□□□□Mask Feather□□□□□□
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11. □Timeline□□□Reflection□□□□□□□□□□□□□□□□□□□
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□7.40

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12. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□

13. □□□□Ctrl□□□□□□□□□□Edit Radius□□Feather Radius
□0□□□OK□□□□7.41□□7.42□□□



[illegible]7.41



[illegible]7.42

[illegible]

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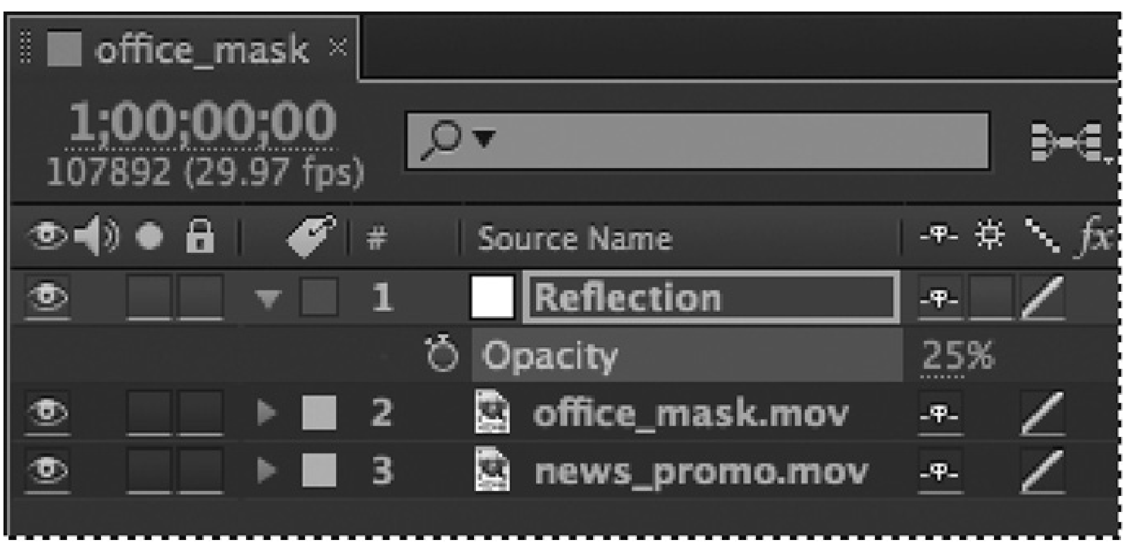
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[illegible]7.43[illegible]



□7.43

16. □□Timeline□□□□Reflection□□□□□□T□□□□Opacity□□□□Opacity□□□□□25%□□□7.44□□7.45□□□



□7.44



□7.45

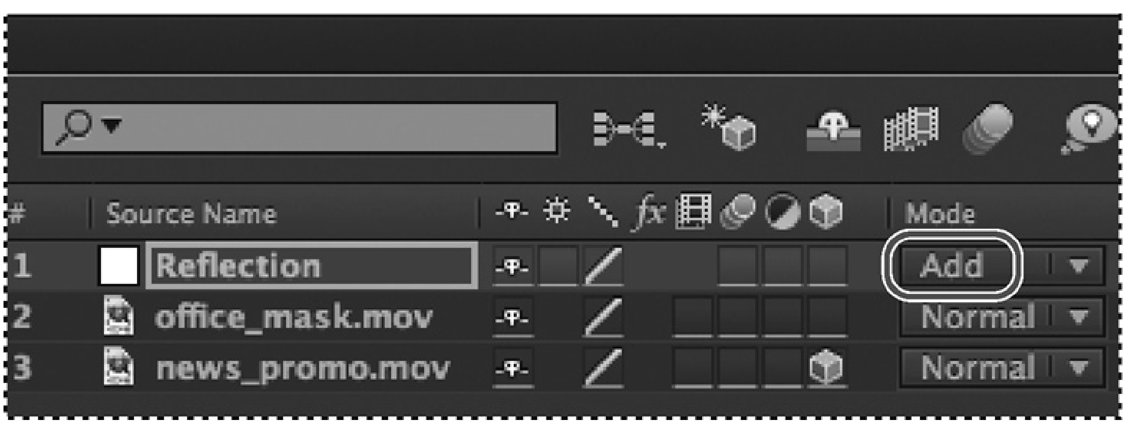
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7.7.1 □□□□□□

□□□After Effects□□□□□□□□□Adobe Photoshop□□□□□□□□□□□

1. □Timeline□□□□□□□□Columns>Modes□□□□□□Mode□□□□□

2. □Reflection□□□Mode□□□□□□□Add□□□7.46□□7.47□□□



□7.46



□7.47

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3. □□File>Save□□□□□□□□

□□3D□□□□

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1. □□Reflection□□□Video□□□□□□□□□

2. □□Layer>New>Light□□□

3. □□Light Settings□□□□□OK□□□□□□□□□□□□

4. □Timeline□□□□□Light 1□□□P□□□□Position□□□Position□□□□□□□□□□□□□□□

5. □Light 1□□□Position□□□□□260□–10□–350□□□□□□□□□□□□□□□□□□□□□□

□□

6. □Timeline□□□□□Light 1□□□□□□A□□□□Point Of Interest□□□

Point Of Interest□□□□□□□□□□□□

7. □Point Of Interest□□□□135□200□0□□

8. □Timeline□□□□□news_promo.mov□□□□□□A□□□□□□Material Options□

□□Material Options□□□□3D□□□□□□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□□

9. □Specular Intensity□□□□75%□SpecularShininess□□□□50%□

10. □Metal□□□□50%□Metal□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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11. □□news_promo.mov□□□□□□

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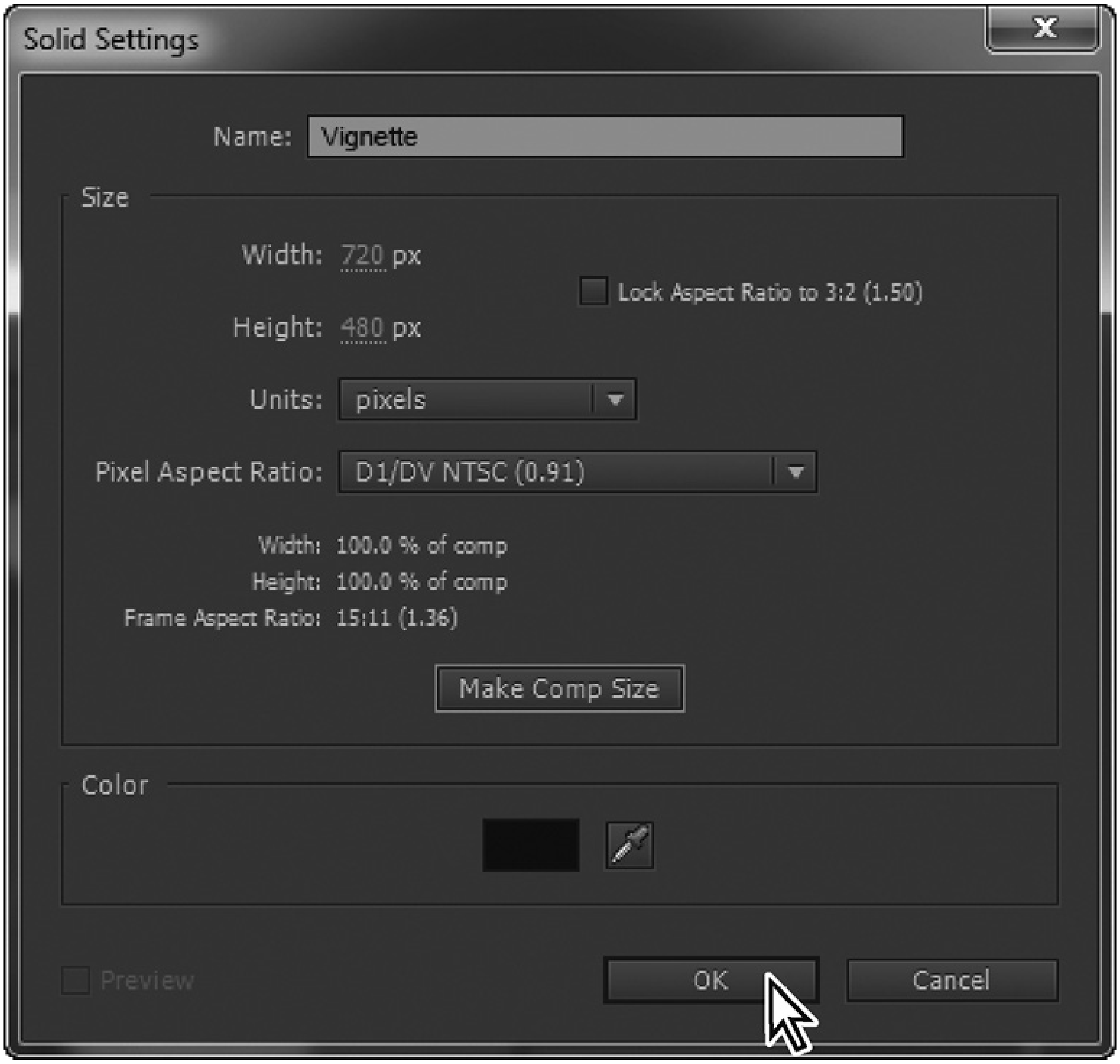
7.8 □□□□□□□

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1. □□□□□□□□□□□

2. □□Layer>New>Solid□□□

3. □Solid Settings□□□□□□□□□□□□□Vignette□□□Make Comp Size□□□
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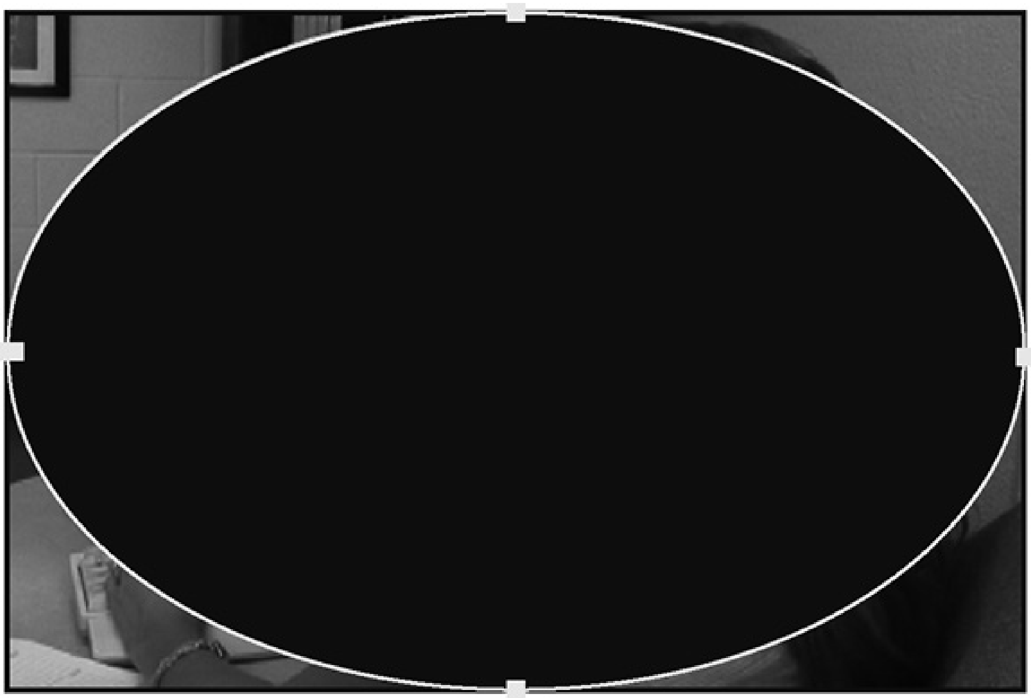


□7.48

□□Pen□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

4. □Tools□□□□□□Elliptical□□□ □□□□□□Rectangle□□□ □□□□

5. □Composition□□Selection□□□□□□□□□□□□□□□□□□7.49□□□



□7.49

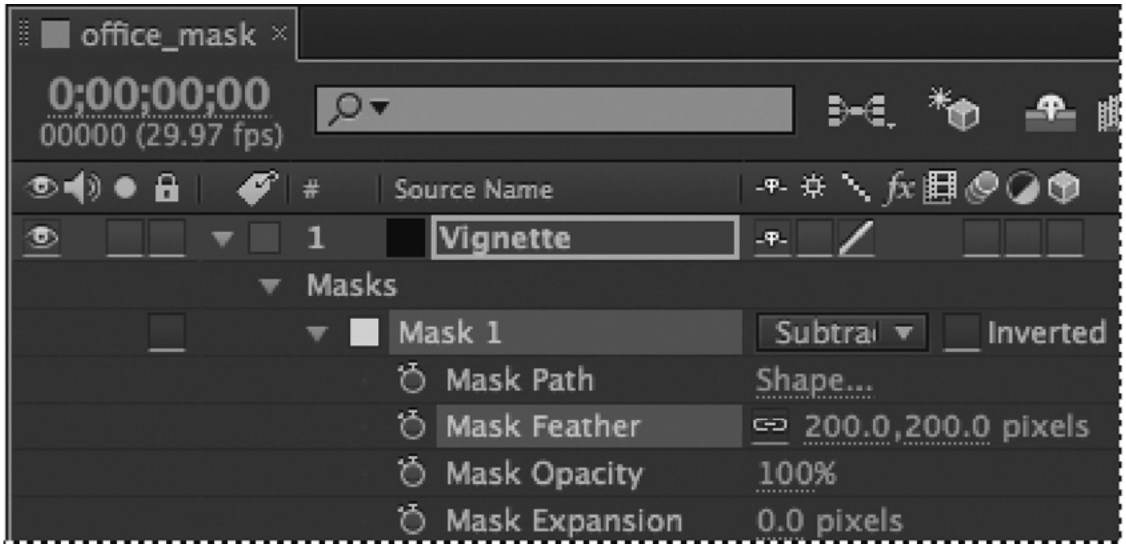
6. □□Vignette□□□□Mask 1□□□□□□□□□□□□□□□□□

7. □Mask 1□Mode□□□□□□□Subtract□

8. □Mask Feather□□□□□□□□200□200□□

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> Rectangular□□□□□□□□□□□□□□□□□□□□□□□Elliptical□□□□□□□□□□□□□□□□□□□□□ Composition□□□Layer□□□□□□□□□□□□□□□
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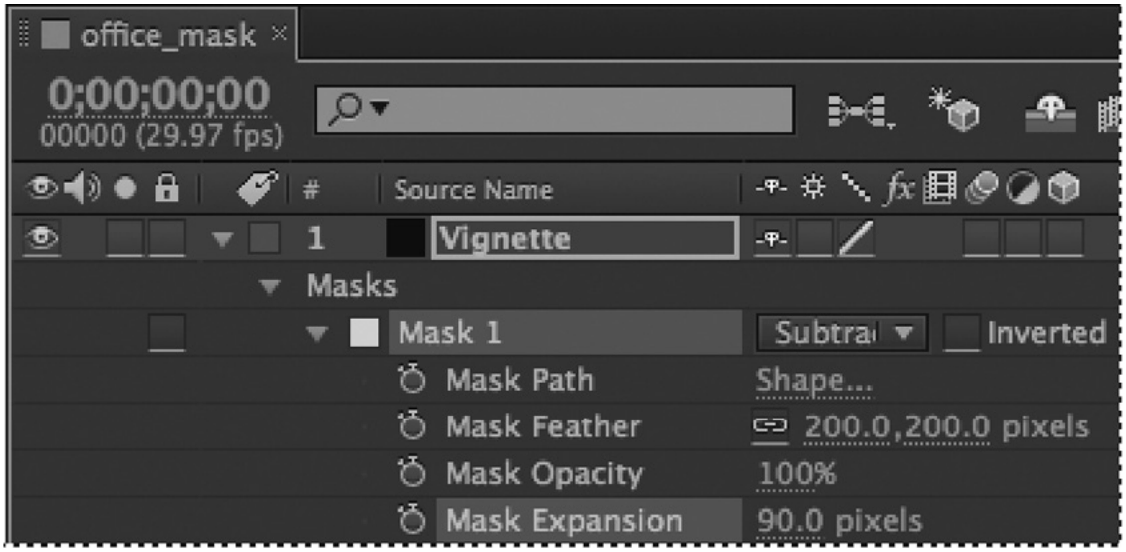
□7.50



□7.51

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9. □Mask Expansion□□□□□□90□□□□□7.52□□7.53□□□



□7.52



□7.53

10. □□Vignette□□□□□□□□□□File>Save□□□

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> □□□□□□Adobe Illustrator□Photoshop□□

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- □□□ Layer> Mask And Shape Path□□□□□□□□□Closed□□□
- □□□□□□□□□□□□□□□□□□□Ctrl□Windows□□□Command□Mac OS□□□□□□ Pen□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

7.9 □□□□

□□□□□□□□office_mask□□□□□□□□□□□□□□□□□□□□

1. □Timeline□□□□□office_mask.mov□□□

2. □□Effect>Color Correction>Auto Levels□□□

Auto Levels□□□Auto Levels□□□□□□□□□□□□□□□□□□7.54□□□



□7.54

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3. [illegible]

4. [illegible]

5. Mask Feather[illegible]

[illegible]

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2. [illegible]

3. [illegible]

4. [illegible]Alpha[illegible]

5. Mask Feather[illegible]Mask Feather[illegible]Feather[illegible]

□8□ □Puppet□□□□□□□□

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- □□Puppet Pin□□□□Deform□□□
- □□Puppet Overlap□□□□□□□□
- □□Puppet Starch□□□□□□□□□□
- □Deform□□□□□□□□□□□□
- □□□□□□□□□□□
- □□Puppet Sketch□□□□□□□

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8.1 □□

Adobe After Effects□□Puppet□□□□□□□□□□□□□□□□□□□□□□□□□□□□3□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□——Puppet Sketch□□——□□□□□□□□□□□□□□□□□□□Puppet□□□□□□□□□□□□□□□□

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1. □□□□□□AECC_CIB\Lessons\Lesson08□□□□□□□□□□□

- Assets□□□□□backdrop.psd□banana.psd□man.psd□
- Sample_Movie□□□□□Lesson08.mov□

2. □□□□□□□□□□□□Lesson08.mov□□□□□□□□□□□□□□□□□□□□QuickTime Player□□□□□□□□□□□□□□□□□□□□□□□□□

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3. □□After Effects□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□OK□□□□□Close□□□□Welcome□□□

After Effects□□□□□□□□□□□□□□□

4. □□File>Save As>Save As□□□

5. □Save Project As□□□□□□□□AECC_CIB\Lessons\Lesson08\Finished_Project□□□□

6. □□□□□□□Lesson08_Finished.aep□□□□□Save□□□

8.1.1 □□□□

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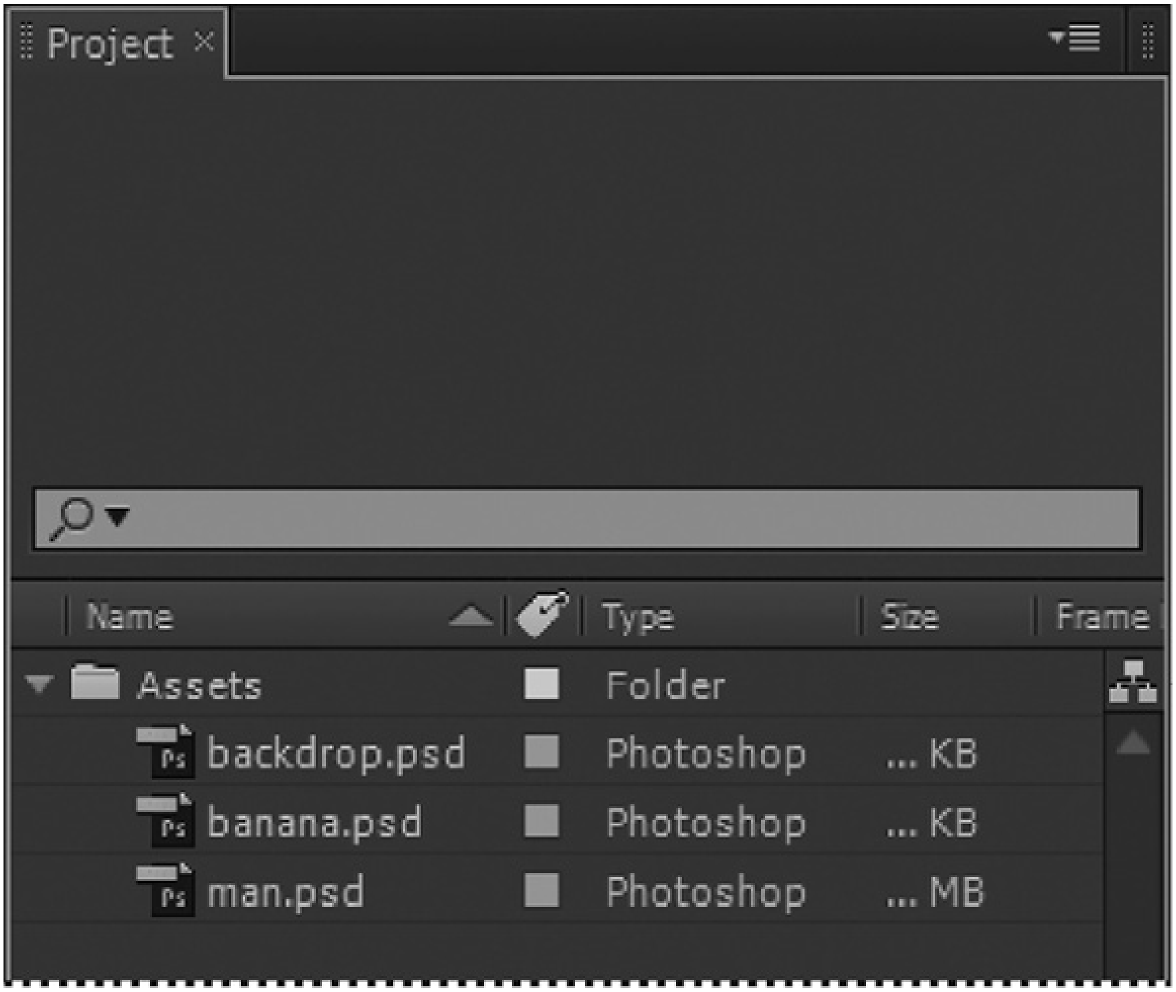
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3. □□□□Project□□□□□Create A New Folder□□□

4. □□□□□□□Assets□□□□□□□□□□□□□□□□

5. □□Assets□□□□□□□□□□□□□8.1□□□



□8.1

8.1.2 □□□□□□

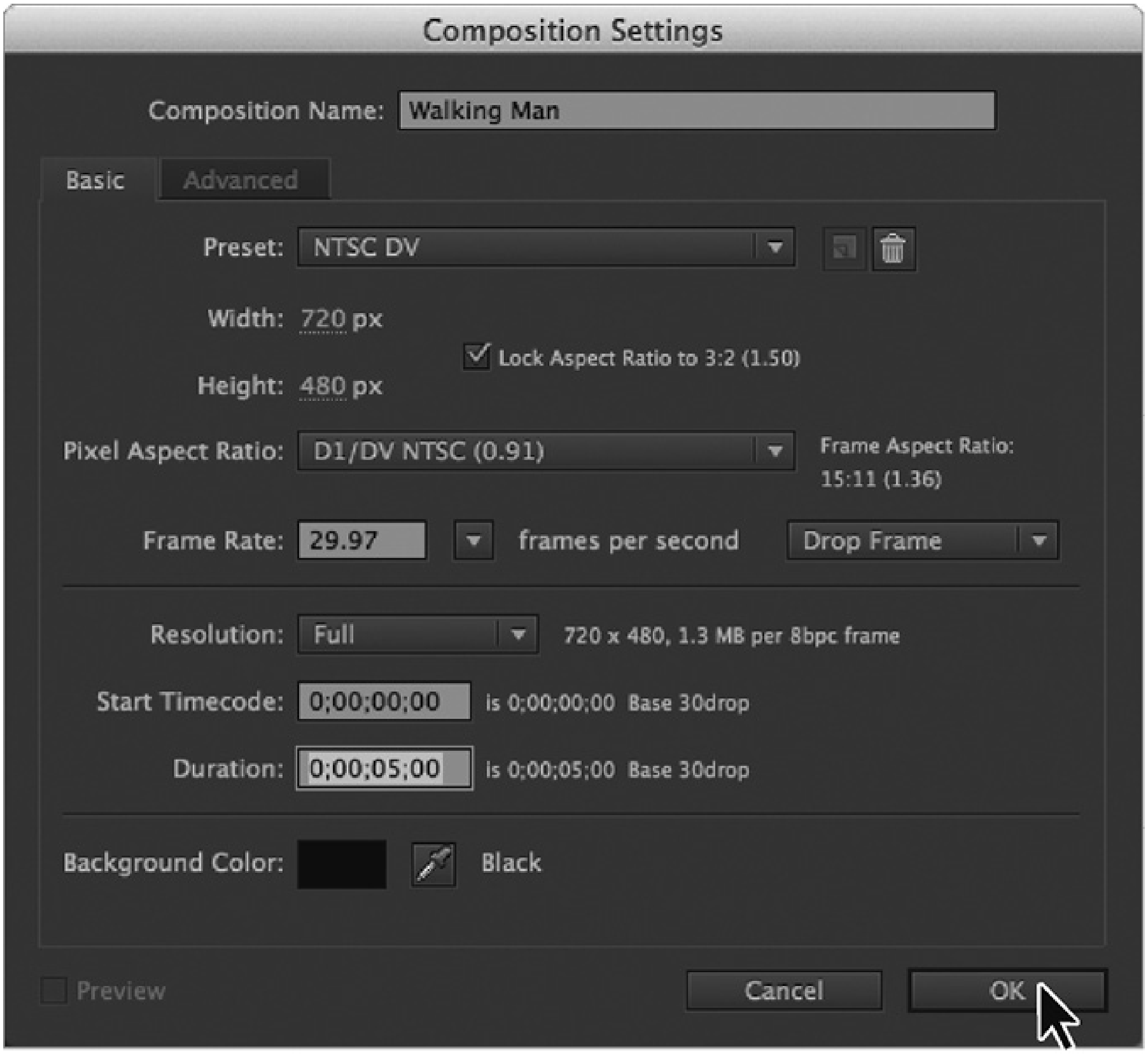
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1. □□Composition > New Composition□□□

2. □□□□□□□□Walking Man□

3. □Preset□□□□□□□NTSC DV□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

4. □Duration□□□□□500□□□□5□□□□□□OK□□□□□8.2□□□



□8.2

After Effects□Timeline□□□Composition□□□□□□□□□□□

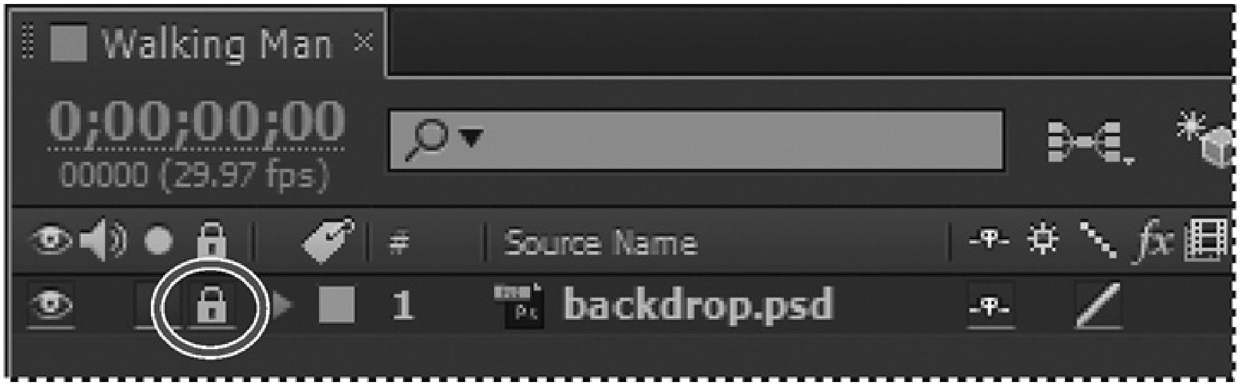
8.1.3 □□□□

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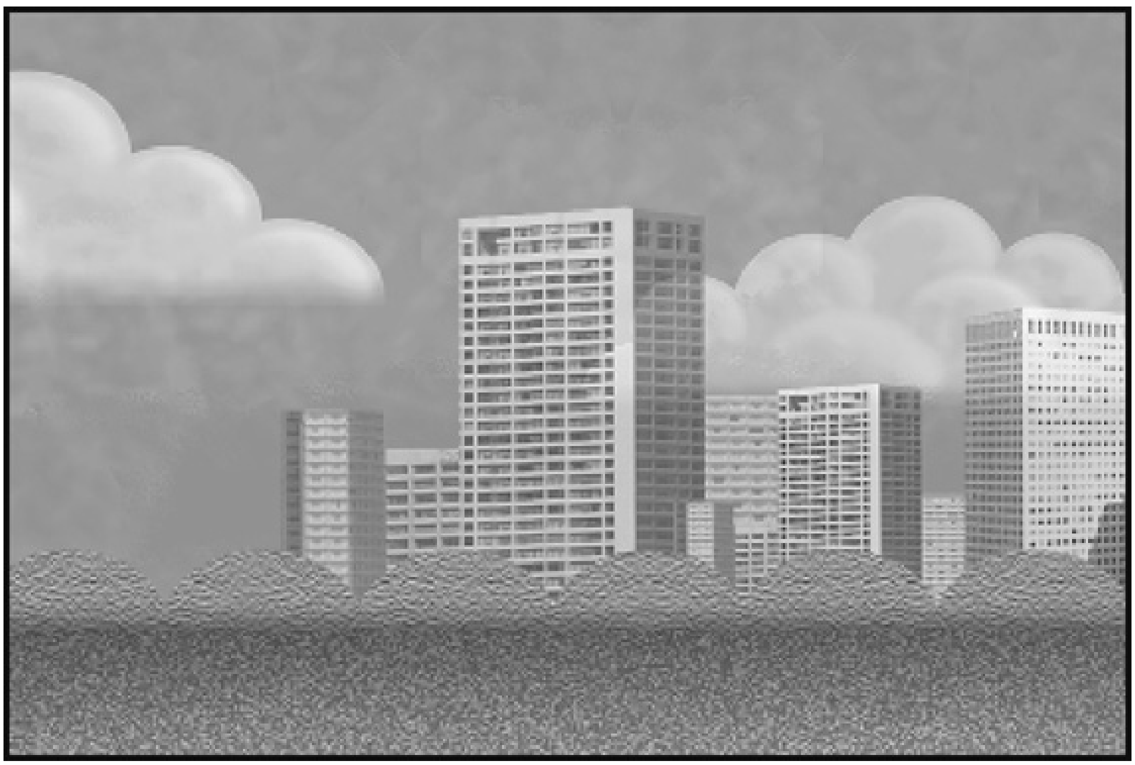
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2. □backdrop.psd□□□□□Timeline□□□

3. □□□□□□□□□□□□□□□8.3□□8.4□□□



□8.3

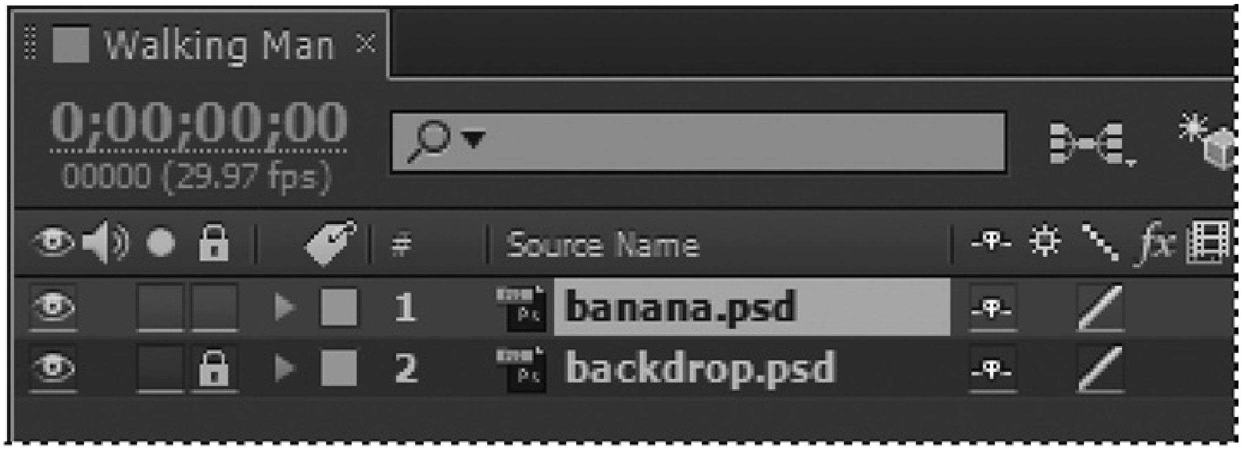


□8.4

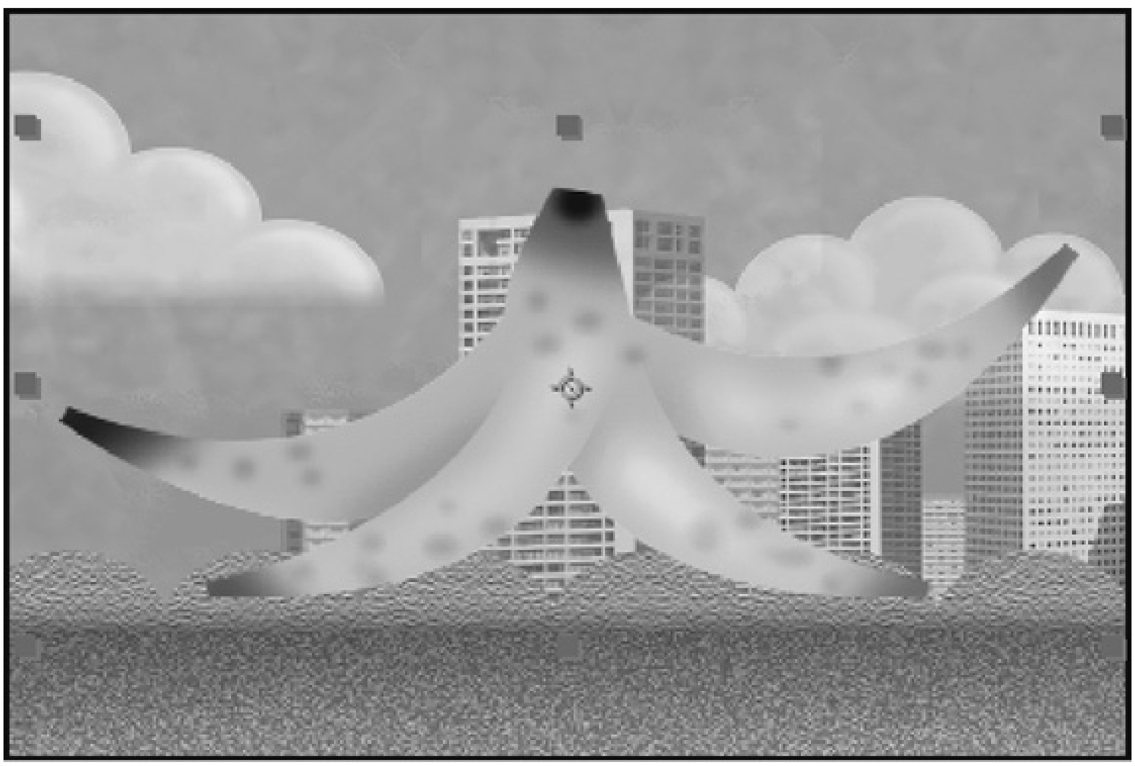
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1. □banana.psd□□□Project□□□□□Timeline□□□□□□□□□□□□8.5□□8.6□□□



□8.5



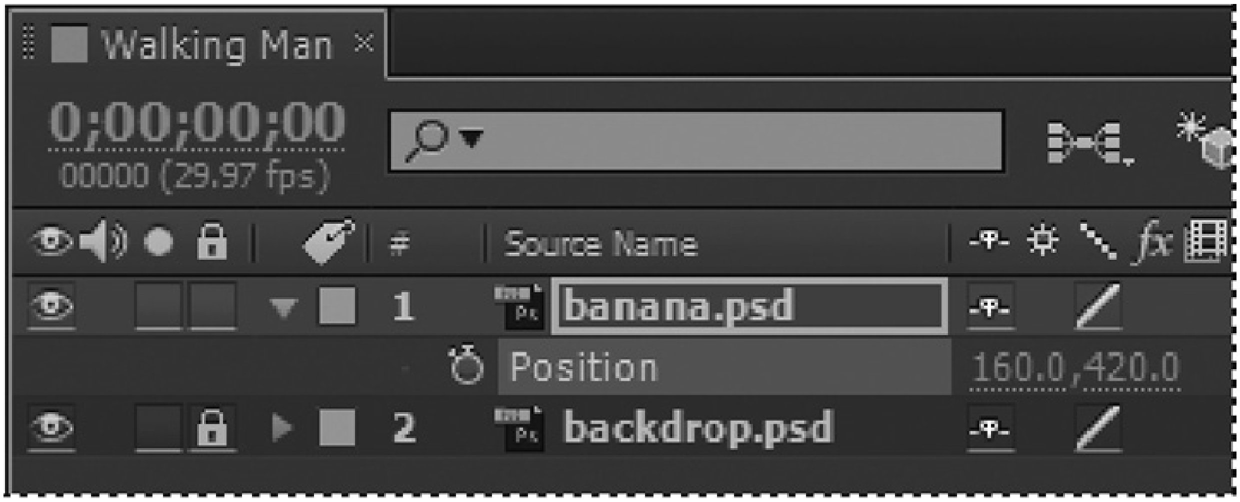
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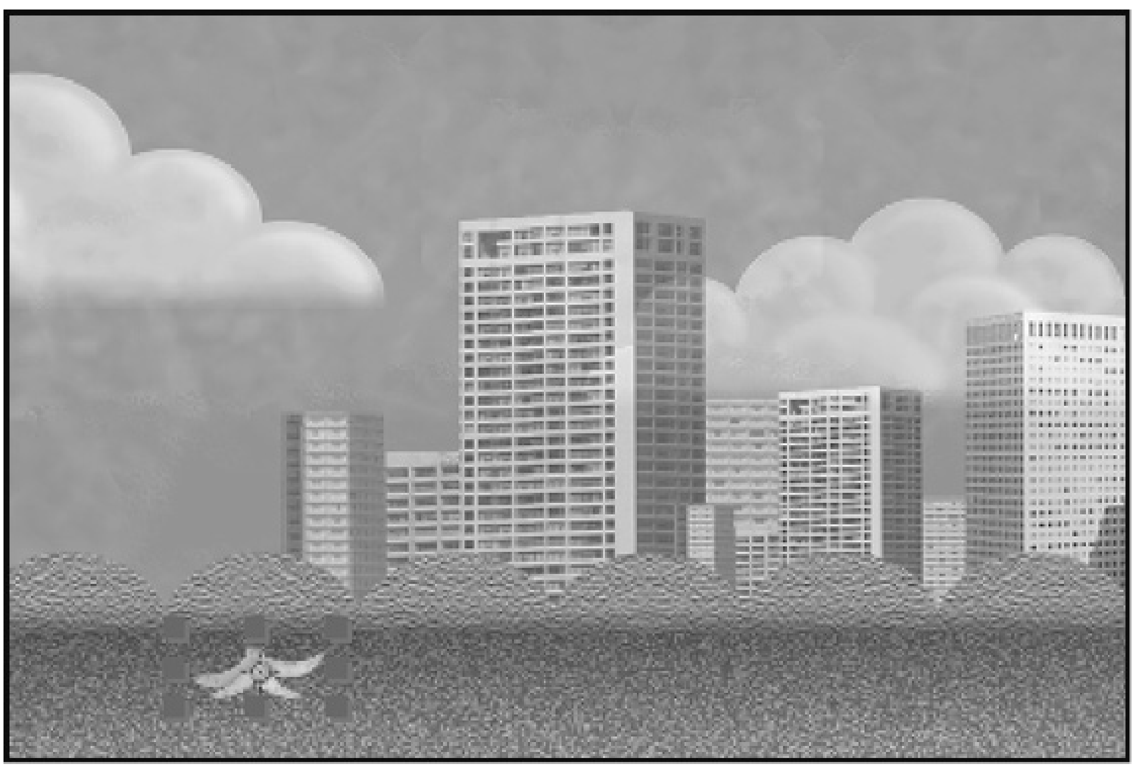
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4. □P□□□□□□Position□□□

5. □Position□□□□□□□160□420□□□□□□□□□□□□□□□□□□□□□8.7□□8.8□□□



□8.7



□8.8

6. □□Banana□□□□□

8.1.5 □□□□

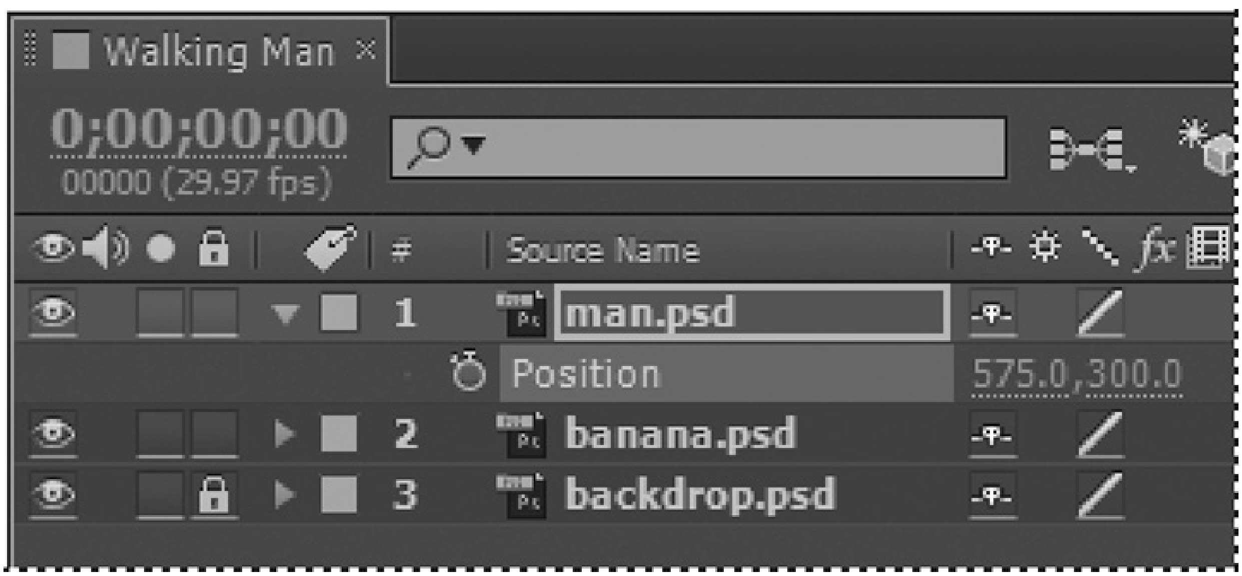
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1. □man.psd□□□Project□□□□Timeline□□□□□□□□□□□

2. □□man.psd□□□□S□□□□Scale□□□

3. □Scale□□□□□□15%□

4. □P□□□Position□□□□□Position□□□□□□□575□300□□□□8.9□□8.10□□□



□8.9



□8.10

5. □□□P□□□□□□Position□□□

6. □□File > Save□□□□□□□□□

> **□□□**
>
> □□□

8.2 □□Puppet□□

Puppet□□□Puppet□□□□□□□□□□□□

Puppet□□□

□□□3□□□□□□□□□□□□□□

- Puppet Pin□ □□□□□□□□Deform□□□□□□□□□□□□□□□□
- Puppet Overlap□□□ □□□□□Overlap□□□□□□□□□□□□□□□□□
  □□□□□□□□□□□□□□□
- Puppet Starch□□□ □□□□□Starch□□□□□□□□□□□□□□□□□□□□
  □□□□□

□□□Deform□□

> □□□
>
> □□□□□□□Deform□□

8.3 □□Deform□□

Deform□□□Puppet□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Deform□□□□□After Effects□□□□□□□□□□□□□□□□□□□

□□Puppet□□□□□□Tools□□□□□Puppet□□□□□□□□□□Timeline□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□

1. □Tools□□□□□Puppet Pin□□□ □□

2. □Composition□□□□□Deform□□8.11□□8.12□□□



□8.11



□8.12

Composition□□□□□□□□□□Deform□□□□□□□□□□Selection□□□

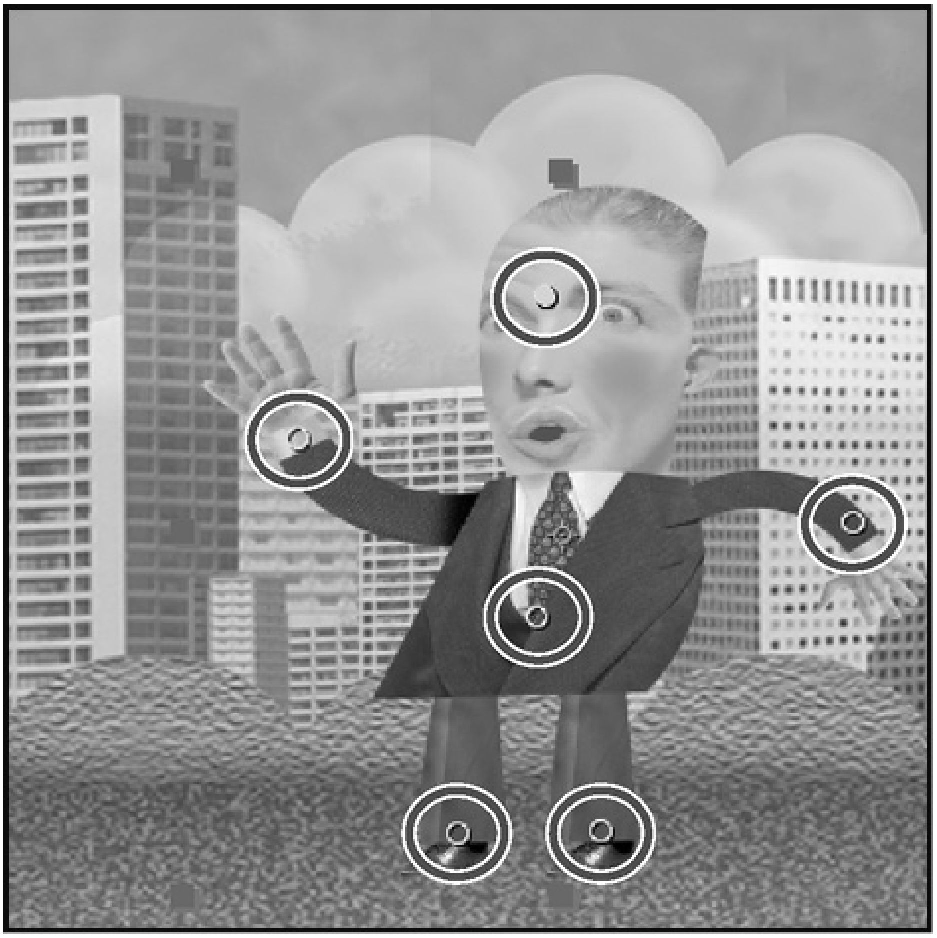
 □□□Deform□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

> **□□□**
>
> □□

3. □□Puppet Pin□□□□□□□□□□□□Deform□□

□□□□□Selection□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Ctrl+Z□Windows□□Command+Z□Mac OS□□□□□□□□□

4. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Deform□□□□□
8.13□□□

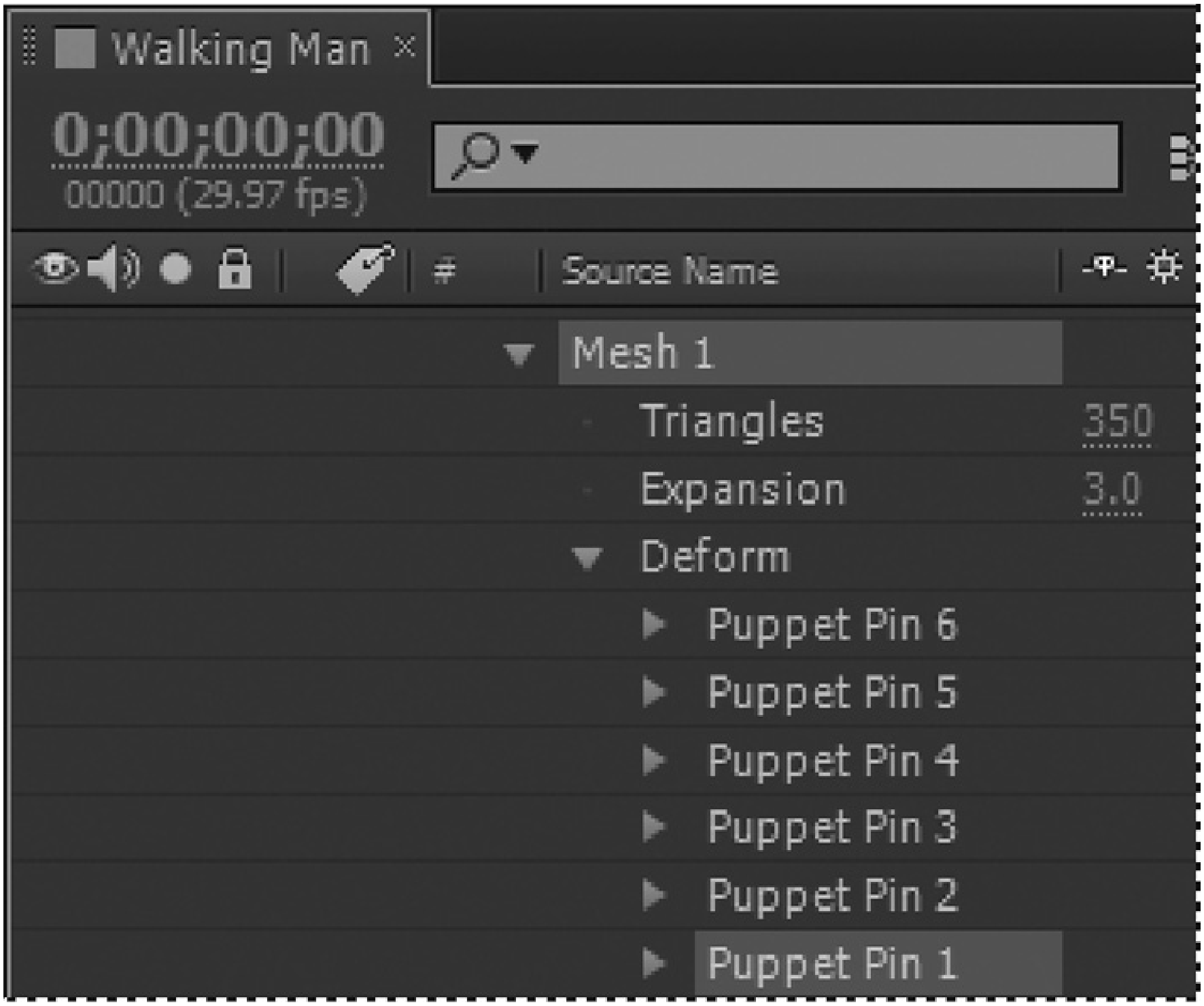


□8.13

5. □Timeline□□□□□□Mesh 1 > Deform□□□□□□□□Deform□
□□□□□□□□□□□□□□□□□□□□□□□

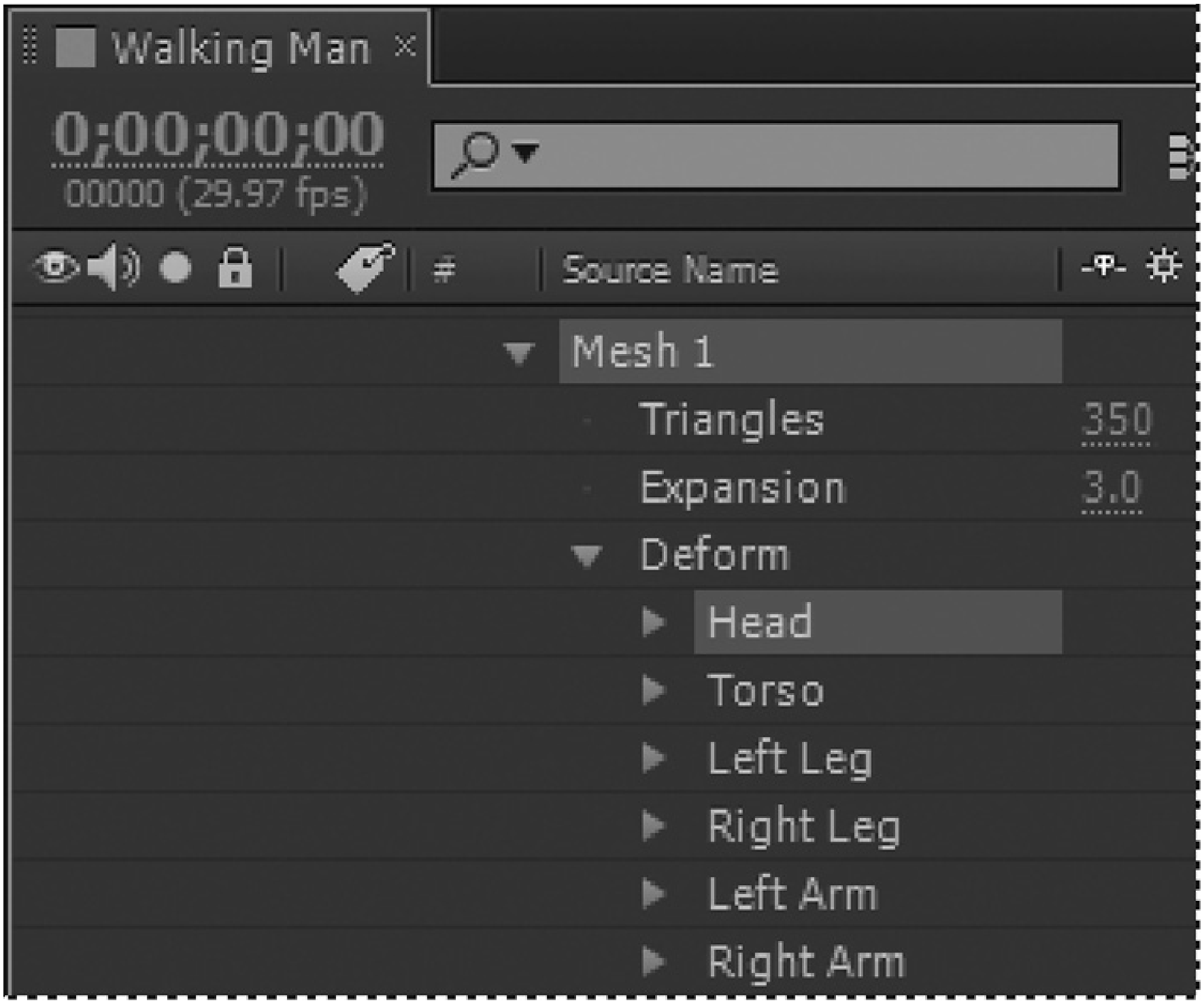
6. □□Puppet Pin 1□□Enter□□Return□□□□□□□□□□Right Arm□
□□□Enter□□Return□□□□□□□

7. □□□□□□Puppet Pin 2□Puppet Pin 6□□□□□□□Left Arm□
Right Leg□Left Leg□Torso□Head□□□8.14□□8.15□□□



Walking Man
0;00;00;00
00000 (29.97 fps)
Source Name
Mesh 1
Triangles
350
Expansion
3.0
Deform
Puppet Pin 6
Puppet Pin 5
Puppet Pin 4
Puppet Pin 3
Puppet Pin 2
Puppet Pin 1

8.14



□8.15

8. □Tools□□□□□□□□□Show□□□□□□□□

9. □Tools□□□□□□□Triangle□□□□300□

□□□8.16□□8.17□□□



□8.16



□8.17

8.4 □□□□□

□□
□Puppet Overlap□□□□□□□□□□□□□□□□□□□

1. □□Puppet Overlap□□□ □□□□□□□□Tools□□□Puppet Pin□□□□□

2. □Tools□□□□□□□□□Show□□□□□□□□

3. □□□□□Hand□□□ □□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□Puppet Overlap□□□

4. □Tools□□□□□□□□In Front□□□□100%□

In Front□□□□□□□□□□□□□□□100%□□□□□□□□□□□□□

□□□

□□□□□□□□Puppet□□□Show□□□□□□□□□□□□□□□□

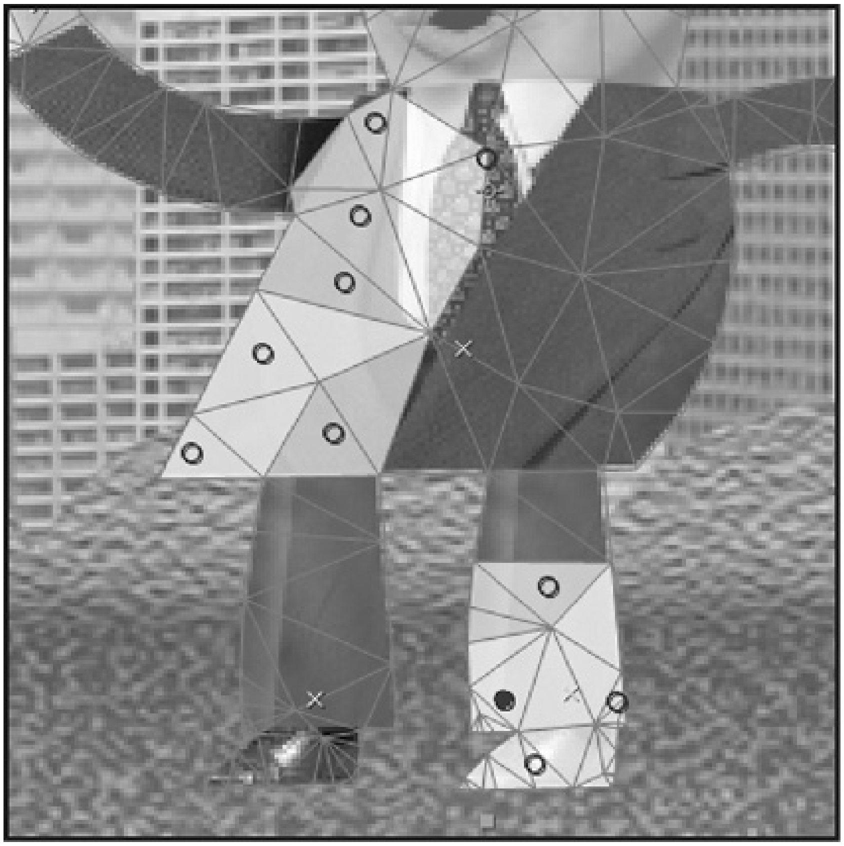
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□□□□Show□□□□□□□□□□□□□□Composition□□□□□□□□□□□□□

5. □□□□□□□□□Overlap□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Tools□□□□□□□Extent□□Extent□□□□□□□□□□□□□□□□□□Composition□□□□□□□□□□□□□□□□□□8.18□□8.19□□□



□8.18



□8.19

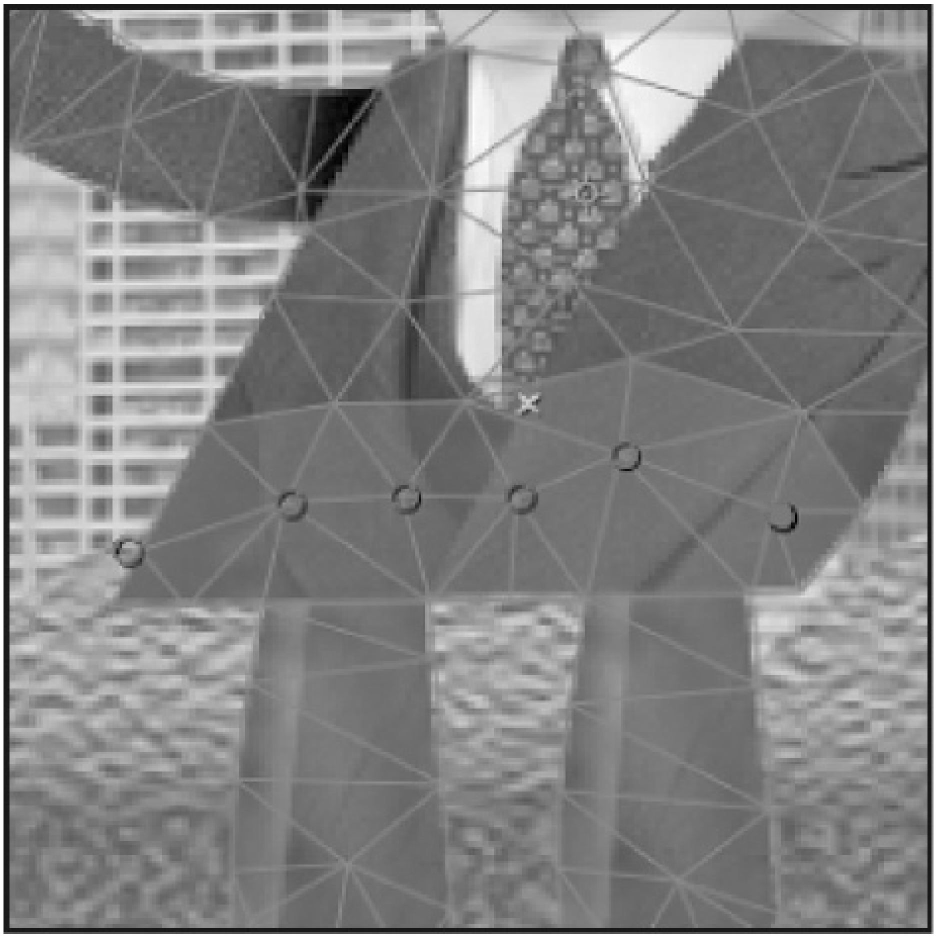
8.5 □□□□□

□□□□□□□□□□□□□□□□□□□□□□□□Puppet Starch□□□□□□□□□□□□□□□Starch□□□

1. □□Puppet Starch□□□ □□□□□Tools□□□Puppet Overlap□□□

2. □Tools□□□□□□□Show□□□□□□□

3. □Starch□□□□□□□□□□8.20□□□



[illegible]8.20

4. [illegible]Timeline[illegible]man.psd[illegible]

5. [illegible]File > Save[illegible]

> [illegible]
>
> Amount[illegible]Amount[illegible]
>
> [illegible]

8.6 [illegible]

Deform[illegible]Overlap[illegible]Starch[illegible]Deform[illegible]Overlap[illegible]Starch[illegible]

8.6.1 [illegible]

[illegible]

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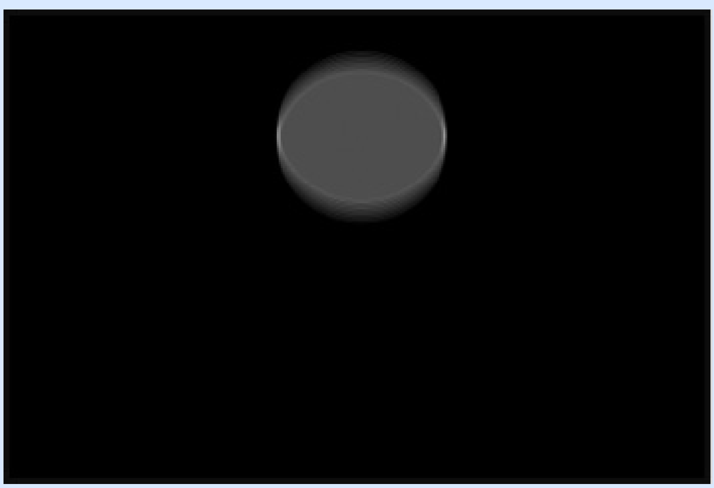
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[illegible]

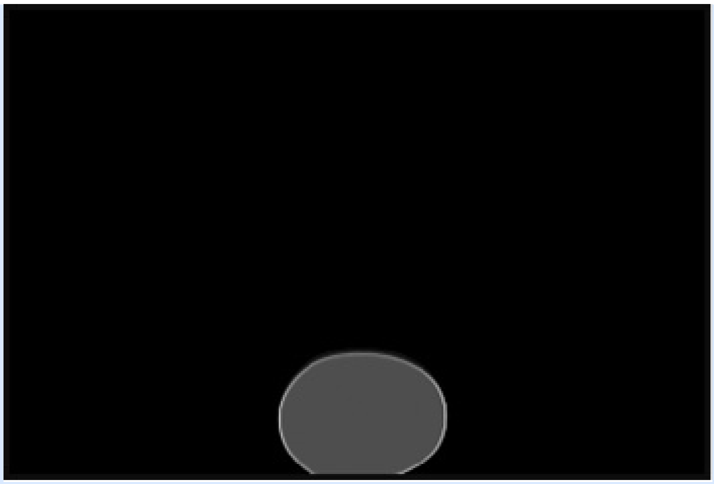
[illegible]

[illegible]

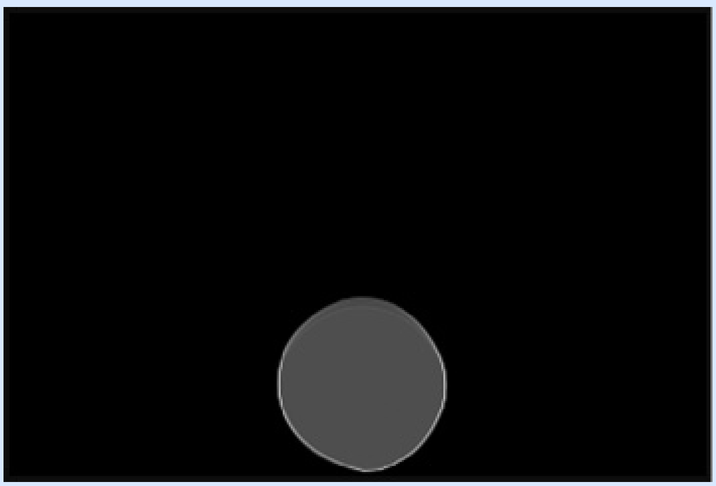
[illegible]Lesson08/End_Project_File[illegible]Squash_and_stretch.aep[illegible]8.21[illegible]8.23[illegible]



[illegible]8.21



□8.22



□8.23

3. □Timeline□□□□□□□□□□Deform□□□□□□□□8.24□□8.25□□□

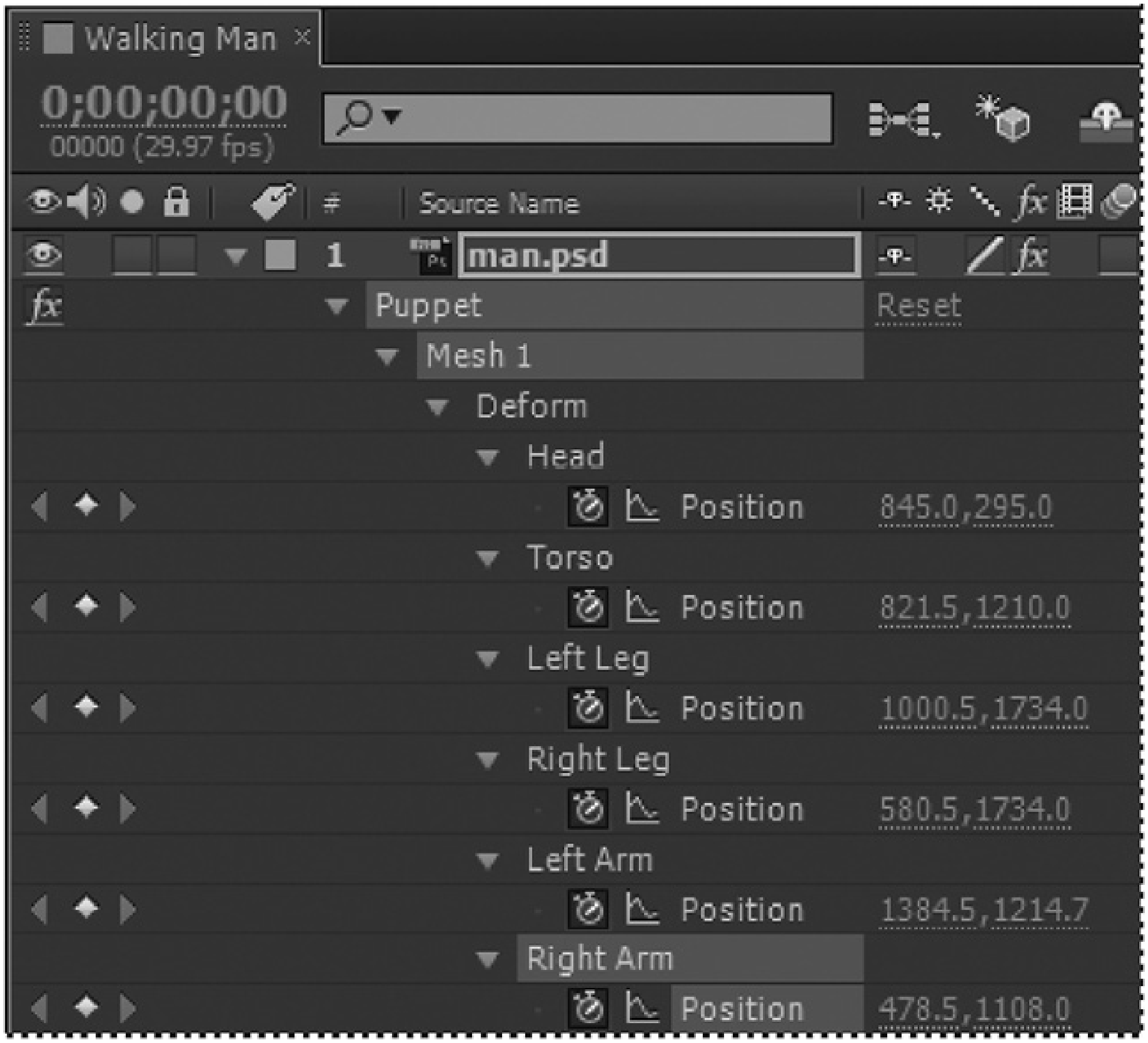

Walking Man
0;00;00;00
00000 (29.97 fps)
Source Name
man.psd
Puppet
Reset
Mesh 1
Deform
Head
Position
845.0,295.0
Torso
Position
821.5,1210.0
Left Leg
Position
1000.5,1734.0
Right Leg
Position
580.5,1734.0
Left Arm
Position
1384.5,1214.7
Right Arm
Position
478.5,1108.0

图8.24



□8.25

- Head□□845□295□□
- Torso□□821.5□1210□□
- Left Leg□□1000.5□1734□□
- Right Leg□□580.5□1734□□
- Left Arm□□1384.5□1214.7□□
- Right Arm□□478.5□1108□□

> □□□
>
> □□Deform□□□□After Effects□□□

4. □□□□□□□□□□□□□□8-1□□□□□□□□□□□□□□□□□□□□

□8-1

[illegible]	Head	Torso	Left Leg	Right Leg	Left Arm	Right Arm
0:07	593, 214	570.5, 1095	604, 1614.5			
0:15	314, 295	312.5, 1210	118.5, 1748.3	[illegible]	886.5, 1208	-325.5, 1214.7
0:18	-6, 217	37.5, 1098.3		352.5, 1618.6		
1:00	-286, 295	253.5, 1210	[illegible]	-561.5, 1734	-121.5, 1234.7	[illegible]
1:07	-614, 218.3	-530, 1094	-70.3, 1628.8			
1:15	-883, 300.7	-803.5, 1213.3	-1003.5, 1728.7	[illegible]	[illegible]	-1309.5, 1101.3
1:23	-1153,212.7	-1055.5, 1099.7	-789.3, 1609.4			
2:00	-1412, 319.3	-1283.5, 1213	-1003.4, 1728.7	-1545.5, 1740.7	-1147.5, 1241.3	[illegible]
2:08	-1622, 246	-1505.5, 1099.7	-996, 1617	-1926.5, 1677.1		

[illegible]

□Timeline□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□:

Timeline□□□□□□□□□□□□□□□□fps□□□□□□□□□1:15□□1□15□□□□□□□□

29.97fps□□1:15□□□□□□□□45□□

8.6.2 □□□□□□□□

□□□

1. □□File>Save□□□□□□□□□□□

2. □□□□□□□□□□2:11□□□□Left Leg□□□□□□−2281□1495.3□□

3. □2:15□□□Deform□□□□□□□□□□

- Head□□−1298□532.7□□
- Torso□□−1667.5□1246.3□□
- Left Leg□□−2398.8□1282.7□□
- Right Leg□□−2277.5□874□□
- Left Arm□□−1219.5□1768□□
- Right Arm□□−1753.5□454.7□□

4. □2:20□□□Deform□□□□□□□□□□□□□□□□□

- Head□□−1094□2452.7□□
- Torso□□−1643.5□3219.7□□
- Left Leg□□−2329.5□2682□□
- Right Leg□□−2169.5□2234□□
- Left Arm□□−1189.5□3088□□
- Right Arm□□−1597.5□2654.7□□

5. □□man.psd□□□□□□□□□□□□□□

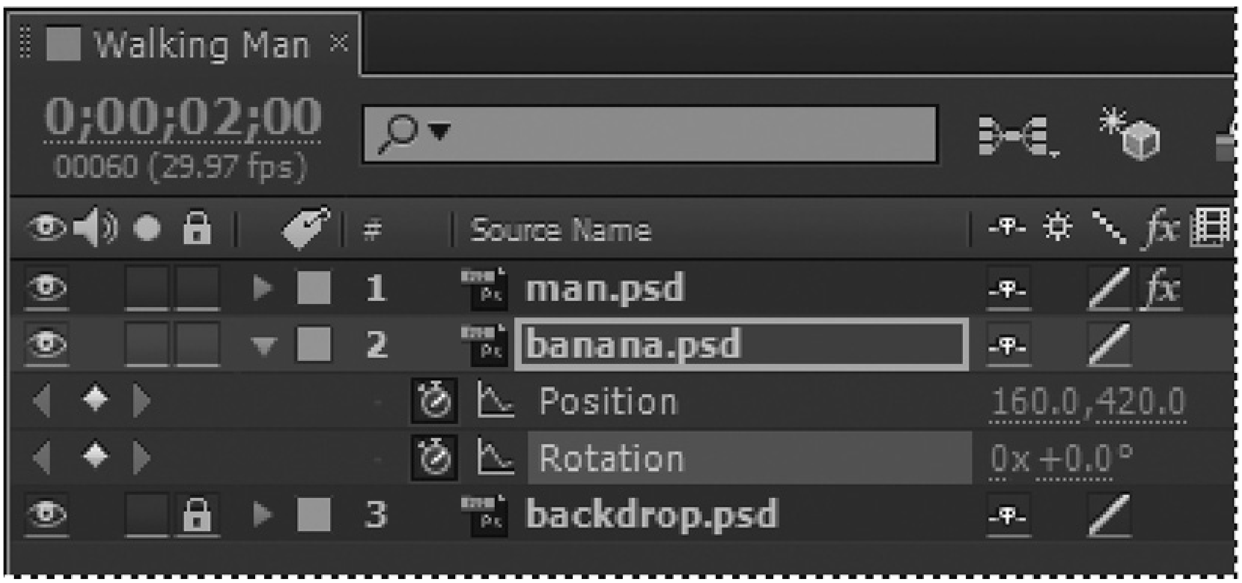
8.6.3 □□□□

□□
□□□□□□□□□□□□□□□□□Position□Rotation□□□□□□□□□

1. □□□□□□□□□□□2:00□

2. □□Timeline□□□□banana.psd□□□□P□□□□Position□□□

3. □Shift +R□□□□□□□□□□□Rotation□□□□□8.26□□8.27□□□

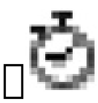


□8.26



□8.27

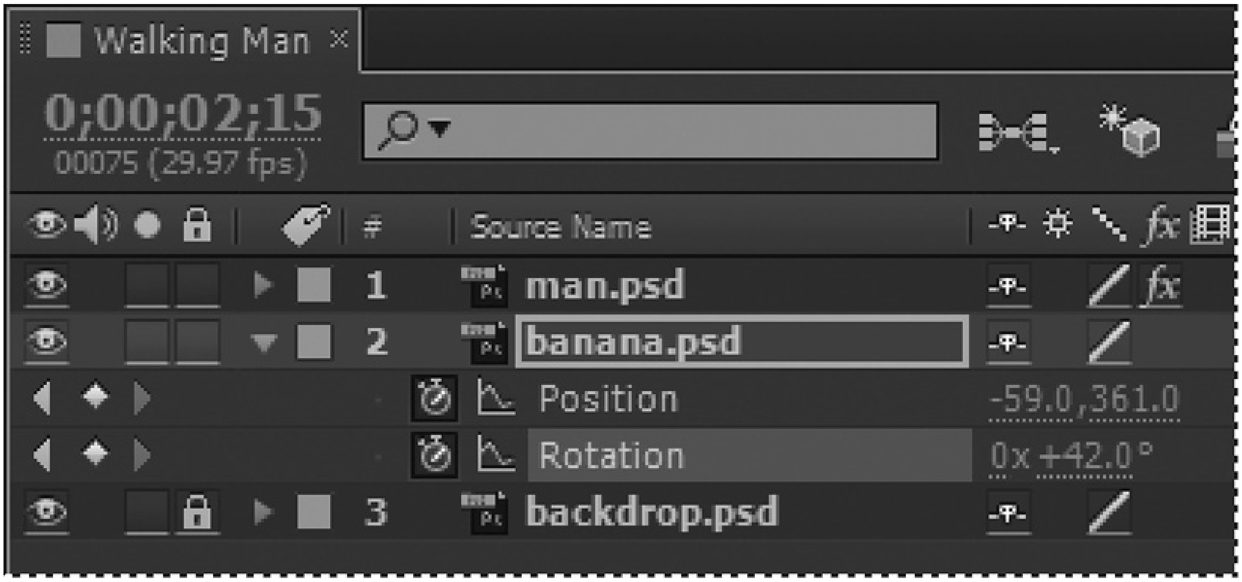
> **□□:**
>
> □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Shift□□

4. □□Position□Rotation□□□□□□□□□□□□□□□□□□□□□□□□

5. □□□2:06□□Position□□□□□□80□246□Rotation□□□□□□19°□

6. □□□2:15□□□Position□□□□□□−59□361□□□□□□□□□□□□

7. □2:15□□□Rotation□□□□□□42°□□□□□□□□□□□□□□□□□□8.28□□8.29□□□



□8.28



□8.29

8. □Composition□□□□□Magnification□□□□□□□Fit Up To 100%□□□□100%□□□□□□□□□□□□□□□□□□□RAM□□□□□□□□□□□□□□□

□□□Timeline□□□□□Deform□□□Position□□□□□□□File > Save□□□□
□8.30□□8.35□□□



□8.30



□8.31



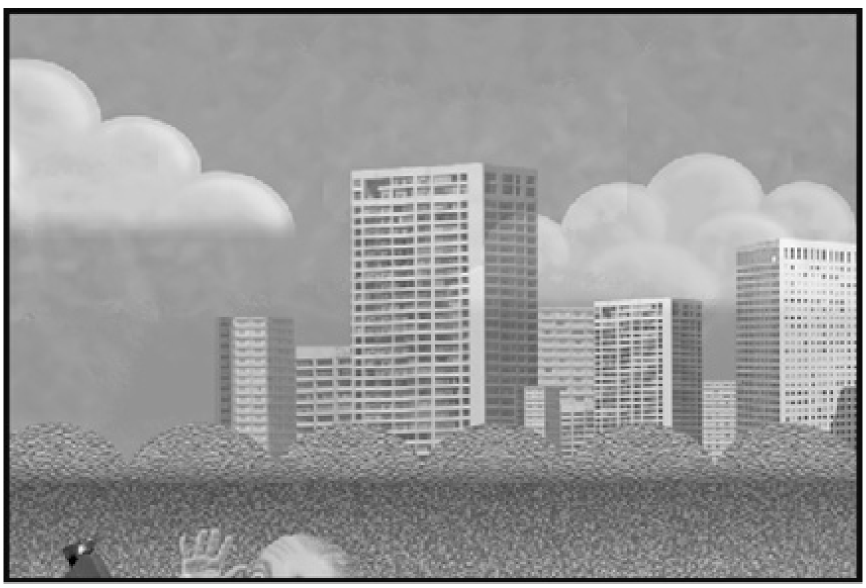
图8.32



图8.33



[illegible]8.34



[illegible]8.35

[illegible]

[illegible]Easy Ease[illegible]

□□□□□□□□□□□□Easy Ease□□□Easy Ease In□Easy Ease Out□□Easy Ease□□□□□□□□□□□□□

□□□Windows□□□□Control□□□□□□Mac OS□□□□□□□□□□□□□□□□□Rove Across Time□□□

□□□

□□□□□□□□□□□□□□□□□□□□□

□□□□□□Easy Ease□□□□□□□□□□□□□□□□□□□□□□8.36□□8.37□□□□□□□□□

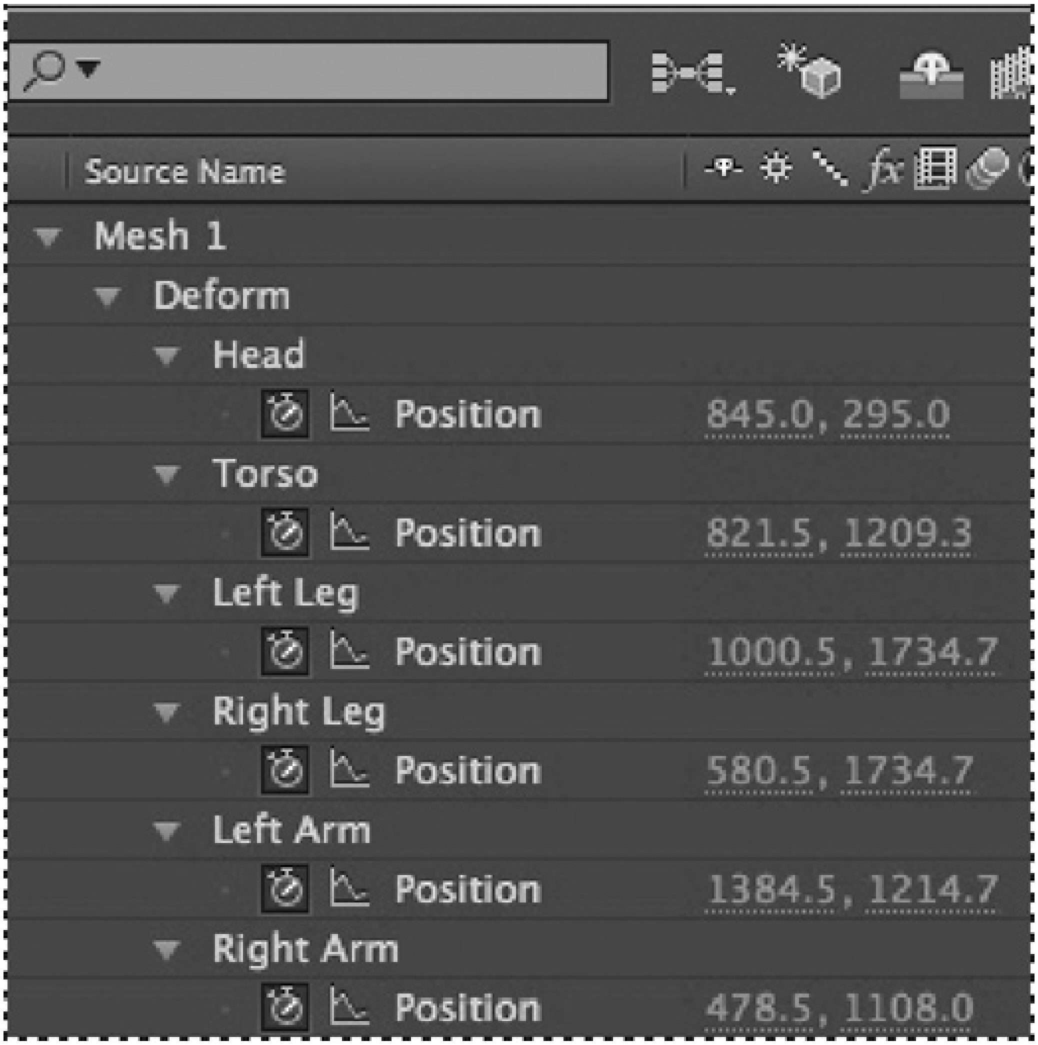
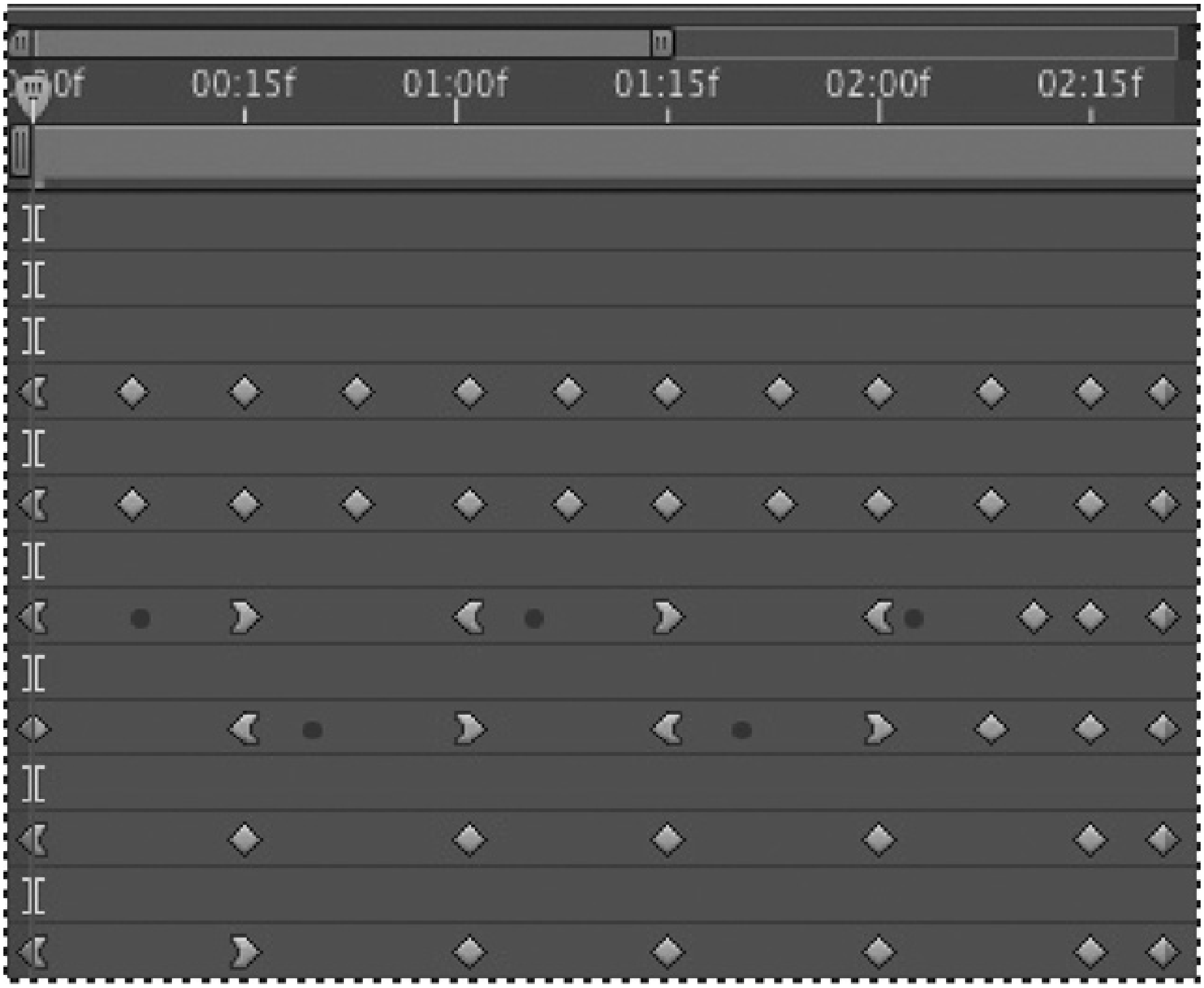

Source Name
Mesh 1
Deform
Head
Position
845.0, 295.0
Torso
Position
821.5, 1209.3
Left Leg
Position
1000.5, 1734.7
Right Leg
Position
580.5, 1734.7
Left Arm
Position
1384.5, 1214.7
Right Arm
Position
478.5, 1108.0

图8.36



□8.37

8.7 □□□□

□□□□□□□□□□□□□□□□□Position□□Puppet Sketch□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□After Effects□□

□□□□□□□□□□□□□□Puppet Sketch□□□□□□□□□□□

1. □□File > Save As> Save As□□□□□□□□□Motionsketch.aep□□□□□□□Lesson08/Finished_Project□□□□□

> □□:
>
> □□Tools□□□□Record Options□□□□□□□□□□Speed□□

2. □□□□□□□□□□□2:08□

3. □man.psd□□□□□□2:08□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□

4. □□Tools□□□□Puppet Pin□□□📌 □□

5. □Timeline□□□□□□man.psd□□□□□□□Effects□□□Puppet□□□□Composition□□□□□□□

6. □□Composition□□□□□□□□Ctrl□Windows□□□Command□Mac OS□□□□Puppet Sketch□□□□□□□□□□□□□□□□□□

7. □□□□□Ctrl□Windows□□□Command□Mac OS□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□2:08□□

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9. □□□□Puppet Sketch□□□□□□□□□□□□□□□□□□□□□□□□□

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8.8 □□□□□

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1. Puppet Pin□□□Puppet Overlap□□□□□□□□

2. Puppet Starch[illegible]

3. [illegible]

4. [illegible]

[illegible]

1. Puppet Pin[illegible]Deform[illegible]Puppet Overlap[illegible]Overlap[illegible]

2. [illegible]Puppet Starch[illegible]Starch[illegible]

3. [illegible]Easy Ease[illegible]

4. [illegible]Timeline[illegible]Position[illegible]Puppet Sketch[illegible]Puppet Pin[illegible]Ctrl[illegible]Command[illegible]

□9□ □□Roto Brush□□

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> Roto Brush[illegible]
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> [illegible]

9.1 [illegible]

[illegible]After Effects[illegible]Matte[illegible]Matte[illegible]

[illegible]

After Effects[illegible]Roto Brush[illegible]Roto Brush[illegible]After Effects[illegible]Matte[illegible]Matte[illegible]Roto Brush[illegible]

9.2 [illegible]

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[illegible]

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- Sample_Movie[illegible]Lesson09.mov[illegible]

2. [illegible]Lesson09.mov[illegible]QuickTime Player[illegible]

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6. □□□□□□Lesson09_Finished.aep□□□□□Save□□□

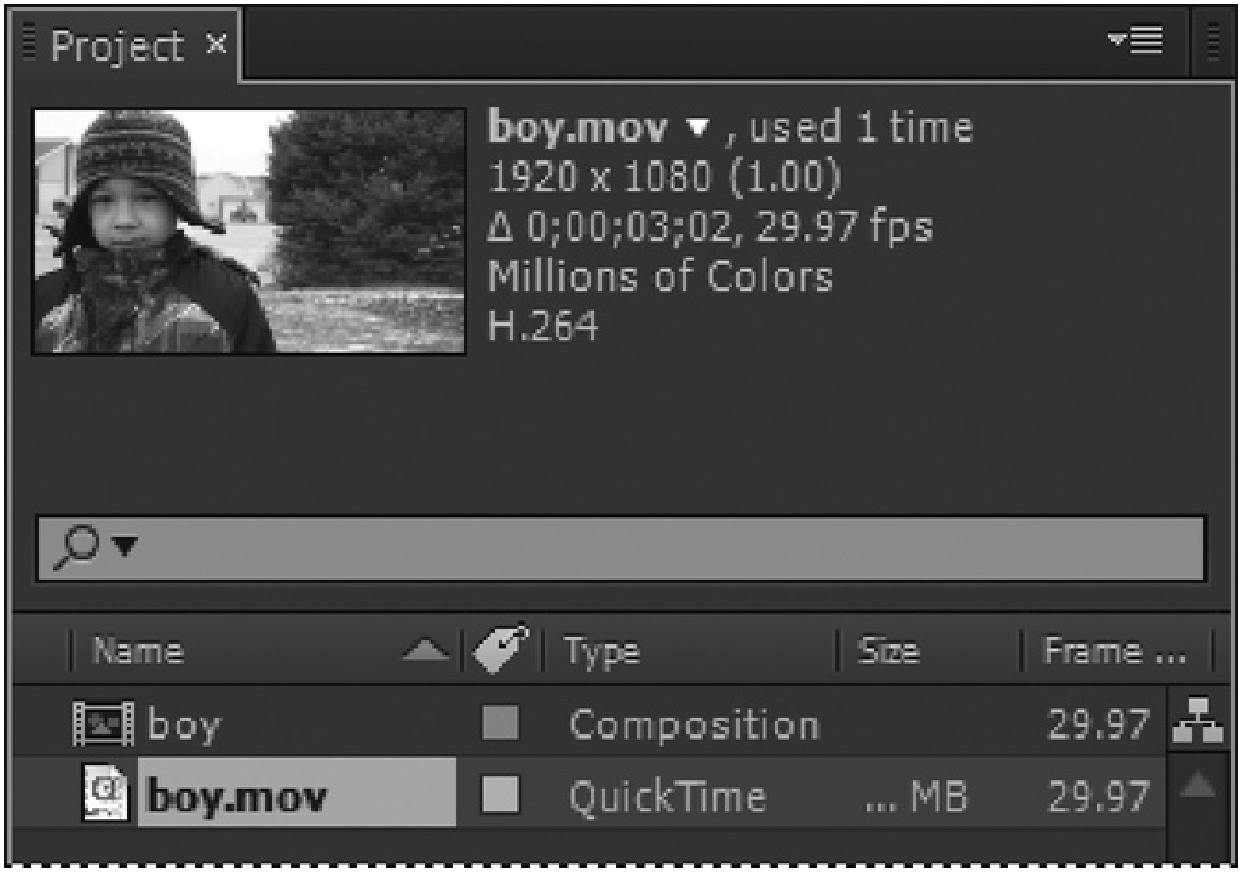
9.2.1 □□□□□□

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3. □boy.mov□□□□□□Project□□□□□Create A New Composition□□□ □□□□□9.1□□□



□9.1

After Effects□□boy.mov□□□□□□□□□□boy□□□□□□□□□□□□□□□3□□□□□HD□1920*1080□□□□□□□□□□□□□□□□□□29.97□□

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9.3 □□□□

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After Effects□□□□□□□□□□□□□□

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3. □Tools□□□□□Roto Brush□□□ □□

4. □□Timeline□□□□boy.mov□□□□Layer□□□□□□□□□□9.2□□□



□9.2

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[illegible]9.3

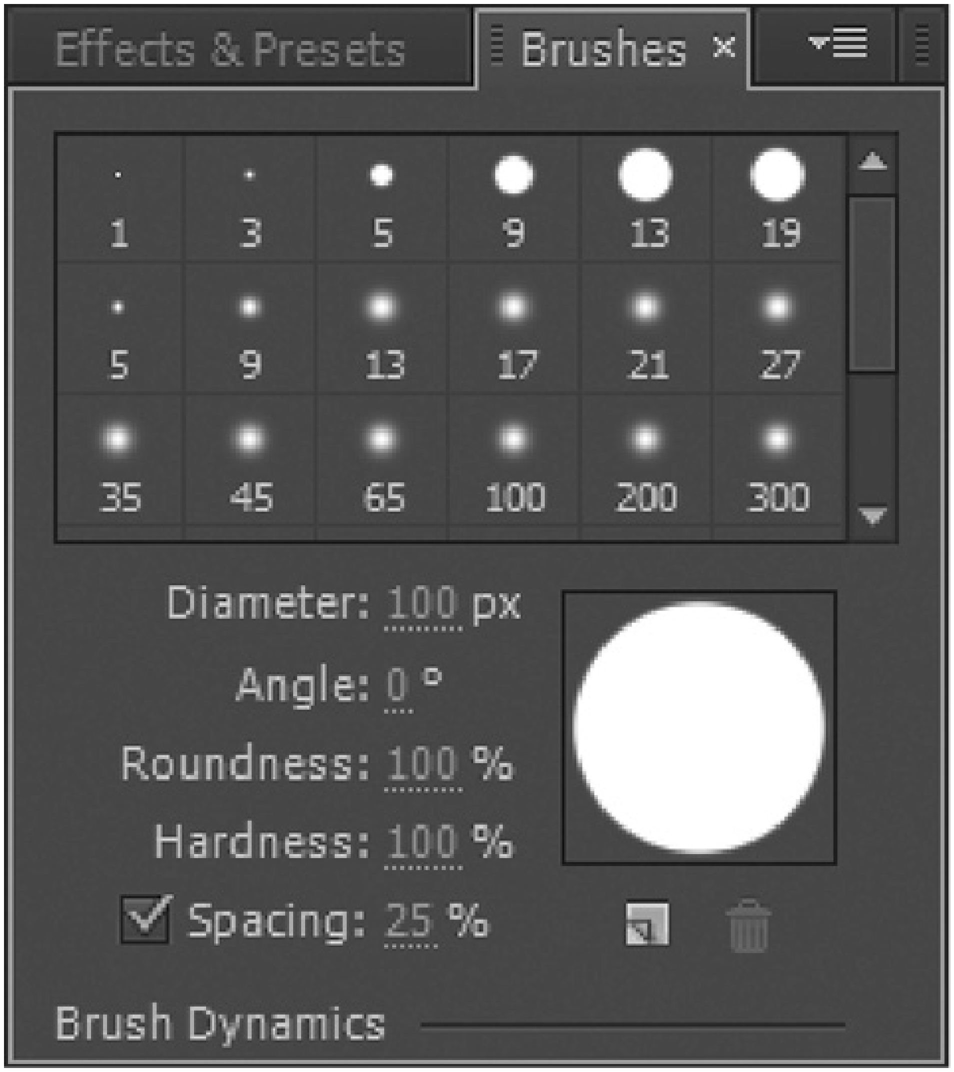

Effects & Presets
Brushes
1
3
5
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13
19
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13
17
21
27
35
45
65
100
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Diameter: 100 px
Angle: 0 °
Roundness: 100 %
Hardness: 100 %
Spacing: 25 %
Brush Dynamics

图9.4



□9.5

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图9.6



□9.7

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图9.8



□9.9

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11. □□Layer□□□□□Toggle Alpha□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□matte□□□9.10□□□



□9.10

12. □□Layer□□□□□Toggle Alpha Overlay□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□9.11□□□



□9.11

13. □□Layer□□□□□Toggle Alpha Boundary□□□ □□□□□□□□
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□9.12

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9.3.3 □□□□□□□

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[illegible]9.15

[illegible]Roto Brush[illegible]10[illegible]1:00[illegible]1:10[illegible]

3. [illegible]

4. [illegible]1[illegible]

5. [illegible]1:00[illegible]

6. [illegible]1:20[illegible]2[illegible]

7. [illegible]9.16[illegible]



□9.16

8. □□□□□□□□□□□□□□□□□□□□□□File > Save□□□□□□□

9.4 □□Matte

Roto Brush□□□□□□□matte□□□□□□□□□□□□□□□□□□□□□□□
matte□□□□□□□□□□□□□□□□□□□□□□□□

9.4.1 □□Roto Brush &Refine Edge□□

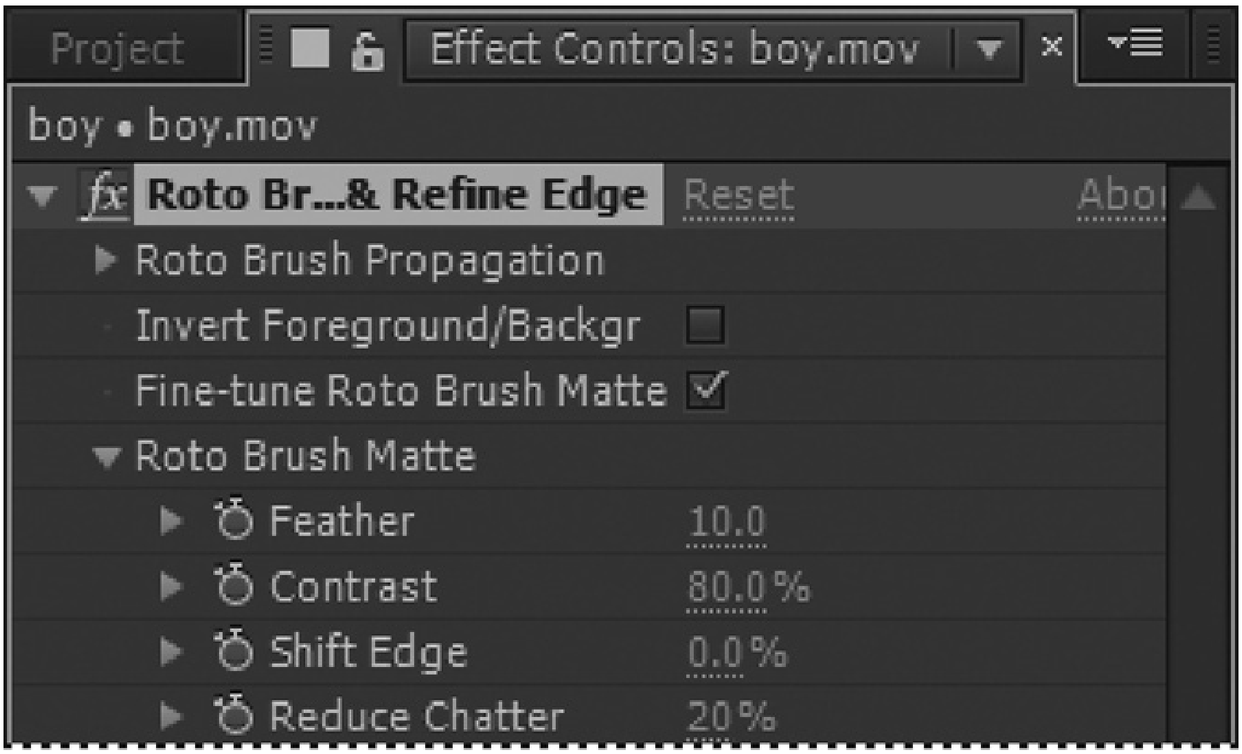
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Reduce Chatter□□□□□□□□□□□□□□□□□□□□□□□□□□□□□matte□□□□□□□□□□□Reduce Chatter□□□50%□□□9.17□□□



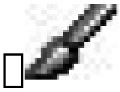
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9.4.2 □□Refine Edge□□

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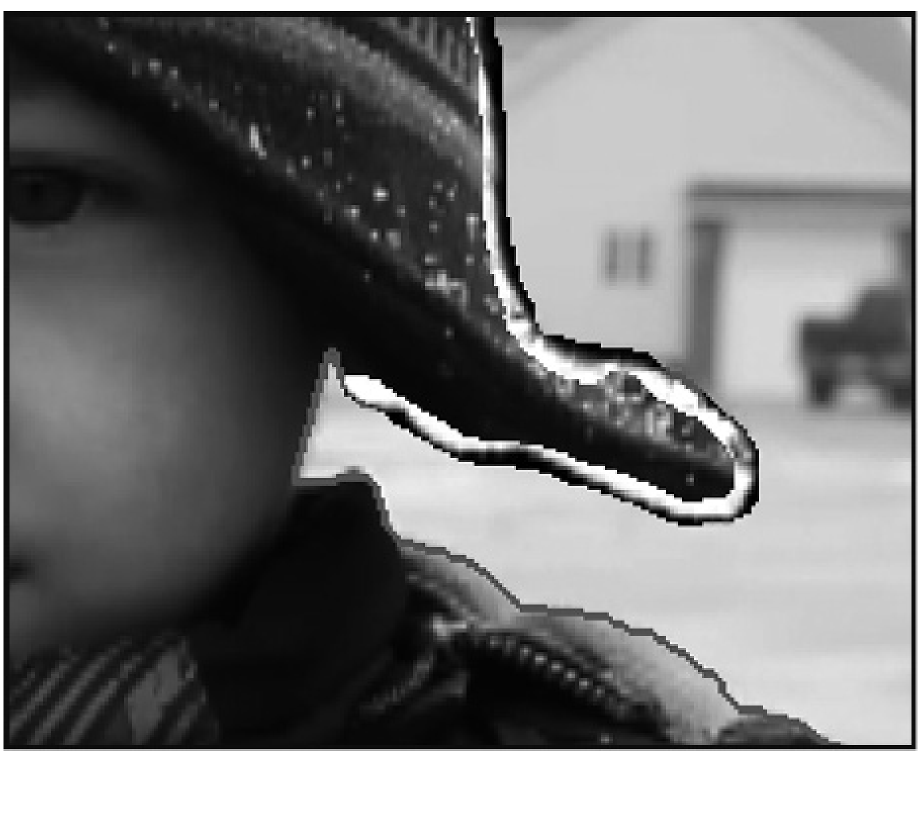
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□□□□□□□□□□matte□□□□□□□□Refine Edge□□□

Refine Sote Matte□Refine Hard Matte□□

After Effects□□□□□□matte□□□□□□Refine Sote Matte□Refine Hard Matte□Refine Sote Matte□□□□□□□□□□□□□□□□□□matte□□□□Refine Edge Matte□□□□□□□□□□□□□□matte□□□□□□□□□□□Refine Sote Matte□□□

□□□Roto Brush&Refine Edge Effect Controls□□□□□□Fine-Tune Roto Brush Matte□Refine Hard Matte□□□Roto Brush□□□□□□□

9.5 □□Roto Brush□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□After Effects□□After Effects□□□□□□□□

□□□

1. □□Layer□□□□□□Freeze□□□□□9.19□□□

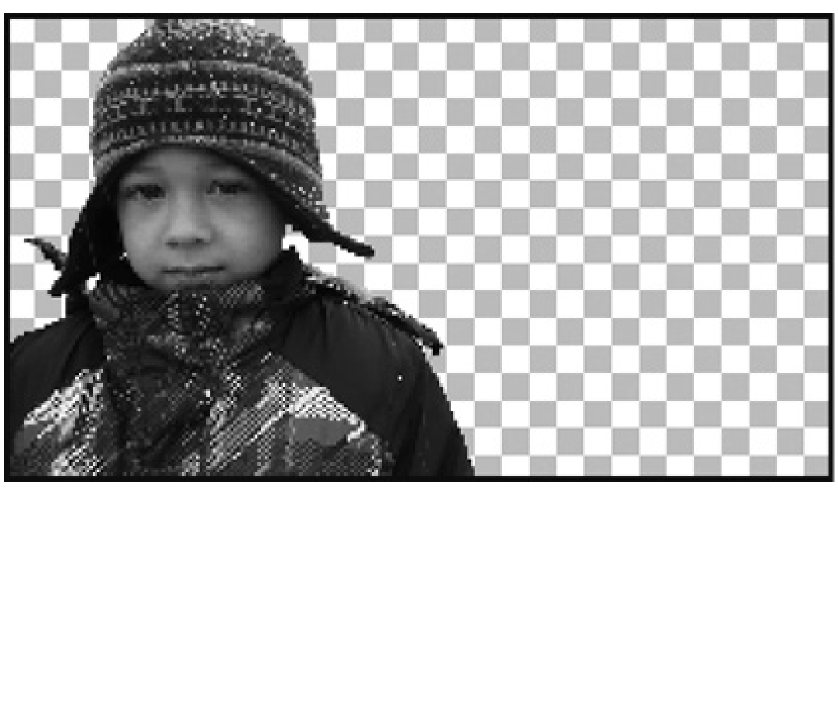


□9.19

Freezing Roto Brush□□□□□Roto Brush& Refine Edge□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□Layer□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□

2. □□Layer□□□□Toggle Alpha Boundary□□□ □□□□matte□□□□□Toggle Transparency Grid□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□9.20□□9.22□□□



□9.20



□9.21



□9.22

3. □□□□Toggle Alpha Boundary□□□□□□□□□□

4. □□File > Save□□□

After Effects□□□□□□□□□□□□□□□

9.6 □□□□

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1. □□Layer□□□□□Composition□□□□□□□□□□□□□□□□□□□□□

Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□

2. □□Project□□□□□Project□□□□□□Project□□□□□□□boy.mov□
□□□□□□Timeline□□□□□□□□□□□□□□□□□□

3. □□□□□□□□□Enter□□□Return□□□□□□□□□□□Background□□
□□□□□Enter□□□Return□□

4. □□Background□□□□□Effect>Color
Correction>Hue/Saturation□□□

5. □Effect Controls□□□□□□□□□□□□□9.23□□9.25□□□

- □□Colorize□□□
- □Colorize Hue□□−122□□
- □Colorize Saturation□□29□
- □Colorize Lightness□□−13□

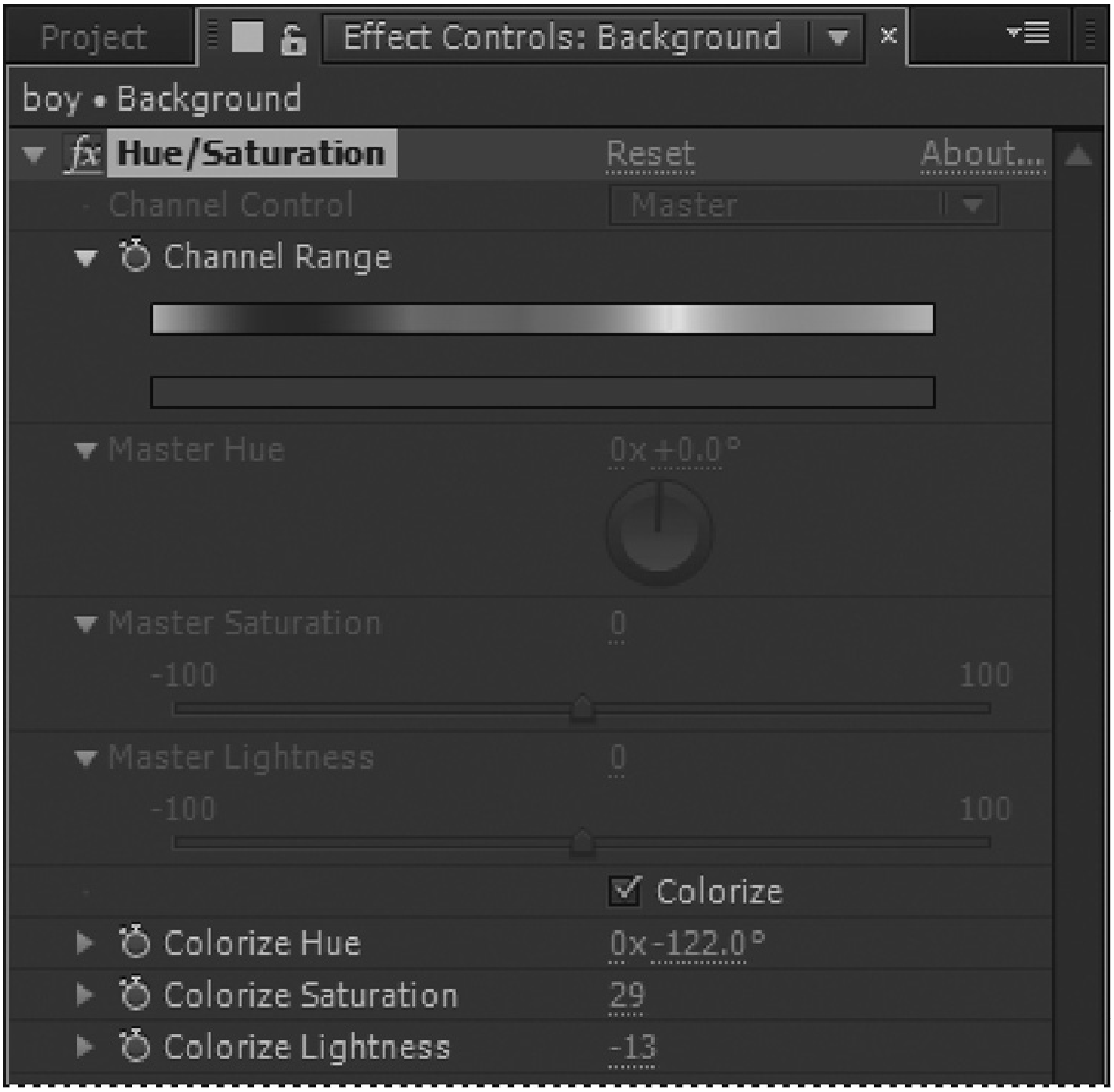
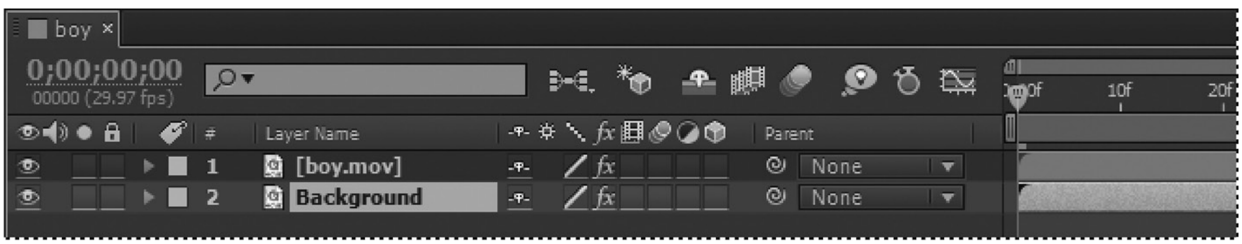

Project
Effect Controls: Background
boy • Background
Hue/Saturation
Reset
About...
Channel Control
Master
Channel Range
Master Hue
0x +0.0°
Master Saturation
0
-100
100
Master Lightness
0
-100
100
Colorize
Colorize Hue
0x -122.0°
Colorize Saturation
29
Colorize Lightness
-13

图9.23



□9.24



□9.25

6. □□File>Increment And Save□□□

□□Increment And Save□□

9.7 □□□□□

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1. □□□□□□□□□□□□□□□□□□□□□

2. □□Layer>New>Text□□□

□□□□□□□□□□□□□□□□□□□□Timeline□□□□

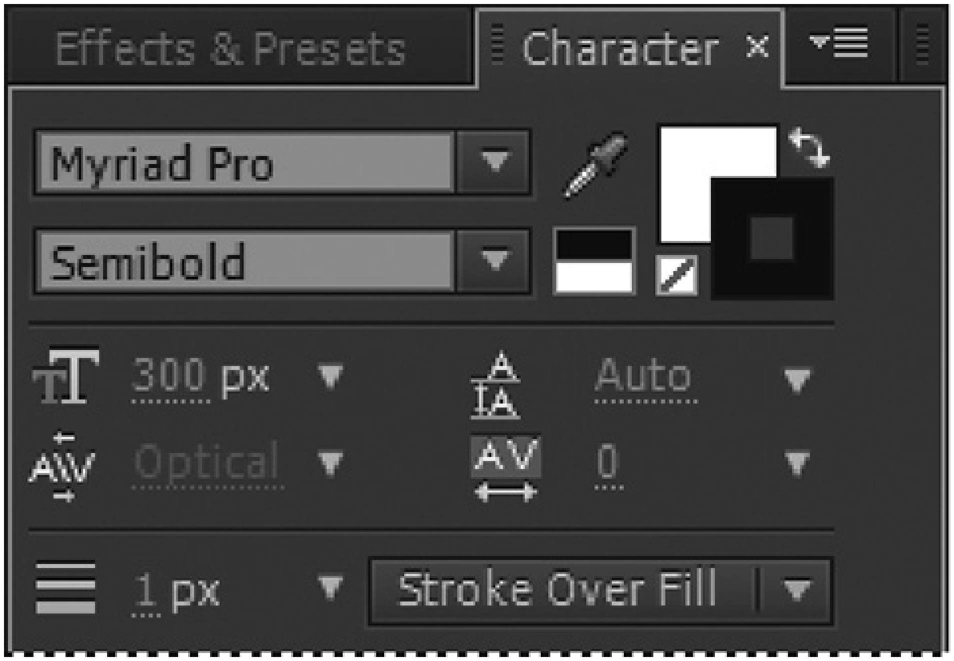
3. □□Text 1□□□□□□□□□□□□□Composition□□□□□WINTER BLUES□

4. □□Composition□□□□□□□□□□□□□Character□□□□□□□□□□□□□9.26□□9.27□□□

- □□Myriad Pro□□□
- □□Black□□Semibold□□□□□□
- □□□□□□□□300px□
- □Kerning□□□□□Optical□
- □□□□□□□□□□
- □□□□□□□□□□
- □□□□□□□□□1px□Stroke Over Fill□□□□□□



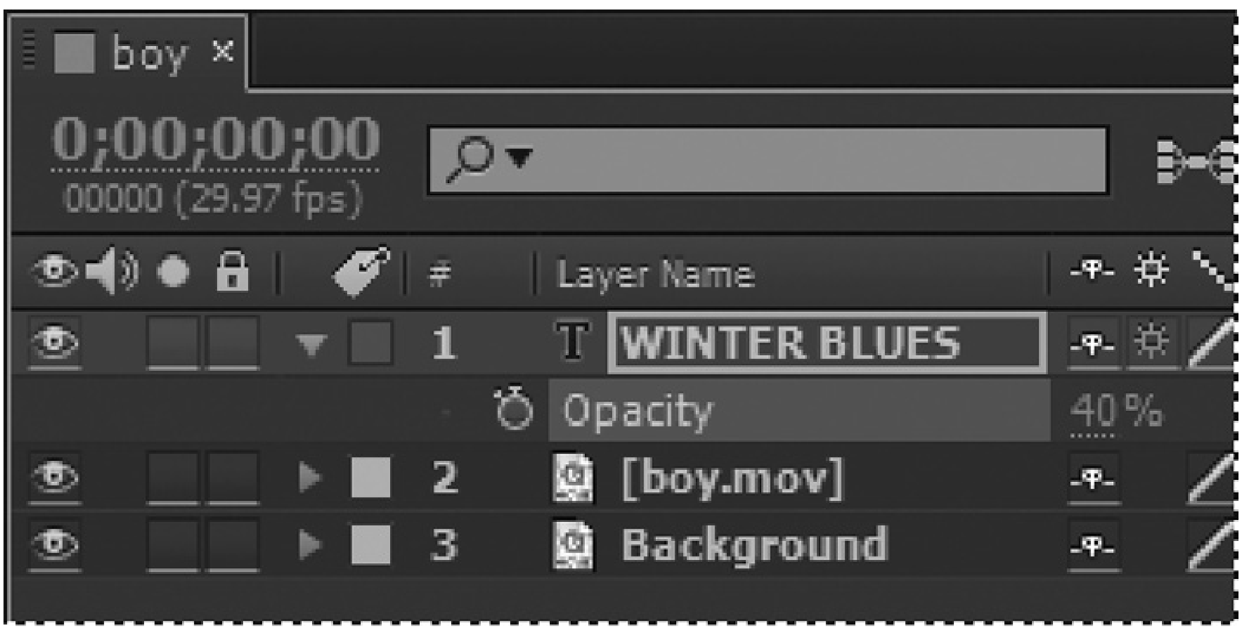
□9.26



□9.27

5. □Timeline□□□□□□□□□□□□□□□□□□□□T□□□□□□Opacity□

□□□Opacity□□40%□□□9.28□□9.29□□□



□9.28



□9.29

6. □□Effects&Presets□□□□□□□□□□□□□□□□□□□□□Glow□□□Stylize□□□Glow□□□

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7. □Timeline□□□□Winter Blues□□□□□□□□□□□□boy.mov□Background□□

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8. □□Winter Blues□□□□□□P□□□□Position□□□□Position□□□□□□□1925□540□□□□Position□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

9. □□□□□□□□□□□3:01□□□□□□Position□□□□□□□−1990□540□□

□□□□□□□□After Effects□□□□□□

10. □□□□Timeline□□9.30□□9.32□□□



□9.30



□9.31



□9.32

11. □□File>Save□□□□□□□

9.8 □□□□

□□□□□□□□□□□□

1. □□File>Export>Add To Render Queue□□□

2. □Render Queue□□□□□□□□□□□□□□□□Best Settings□

3. □Render Settings□□□□□□Resolution□□□□□□□□Half□□□□Frame Rate □□□□□Use Comp’s Frame Rate□□□□□OK□□□

4. □□Output Module□□□□□□□□□□□□Output Module Settings□□□□□□□□□Audio Output Off□□□□□OK□□□

5. □□Output To□□□□□□□□□Output Movie To□□□□□□□□Lesson09/Finished_Project□□□□□□□□Save□□□

6. □□Render Queue□□□□□□Render□□□

□□Roto Brush□□□

9.9 [illegible]

[illegible]

1. [illegible]Roto Brush[illegible]

2. [illegible]

3. [illegible]Refine Edge[illegible]

[illegible]

1. [illegible]Roto Brush[illegible]

2. [illegible]Roto Brush[illegible]Roto Brush [illegible]

3. [illegible]Refine Edge[illegible]Refine Edge[illegible]Refine Edge[illegible]

□10□　□□□□

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- □□Levels□□□□□□□□□
- □□□□□□□□□□□
- □Auto Levels□□□□□□□
- □□Synthetic Aperture□□□Color Finesse 3□□□□□□□□□
- □Photo Filter□□□□□□□□□
- □Clone Stamp□□□□□□□□□

□□□□□□1□□□□□□□□□After Effects□□□□□□□□□□□Lesson10□□□□□□□□□□□□□□□□□□□□□□□□□Lessons□□□□□□□Lessons□□□



[illegible]Adobe After Effects[illegible]

10.1 [illegible]

[illegible]Clone Stamp[illegible]

[illegible]

1. □□□□□□□□□□□□□□□□□AECC_CIB\Lessons\Lesson10□□□□□

- Assets□□□□Albertson_Hall.mov□storm_clouds.jpg□
- Sample_Movie□□□□Lesson10.mov□

2. □□□□□□Lesson10.mov□□□□□□□□□□□□□□□□□□□□□□□QuickTime Player□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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> □□□□□SA Color Finesse 3□□□□□□□□□□□□□□□Lesson10_end□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□“□□□□□□”□

3. □□After Effects□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□□OK□□□□□□□□□□□□Close□□□□Welcome□□□□

After Effects□□□□□□□□□□□□□□□□□□

4. □□File>Save As>Save As□□□

5. □Save As□□□□□□□□□AECC_CIB\Lessons\Lesson10\Finished_Project□□□□

6. □□□□□□□□Lesson10_Finished.aep□□□□□□Save□□□

10.1.1 □□□□

□□□□□□□□□□□□□

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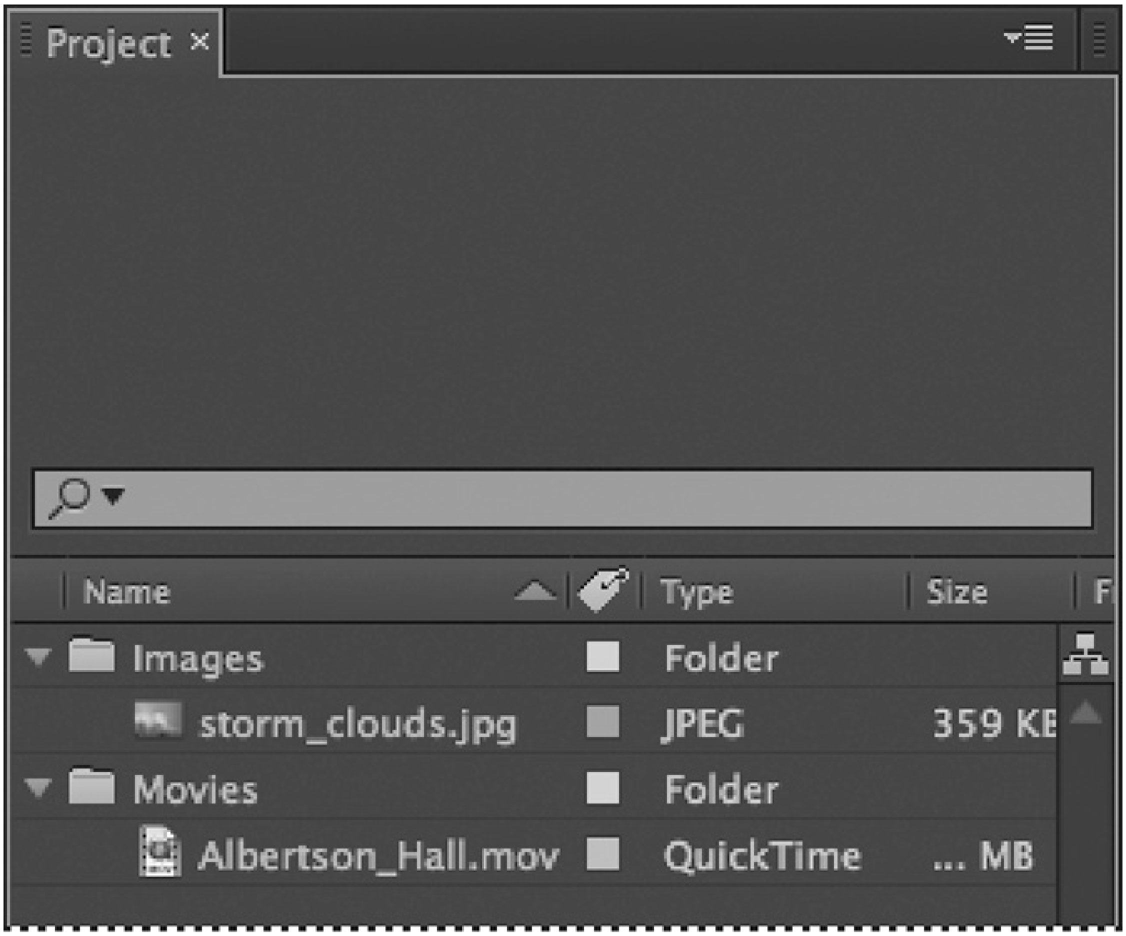
2. □□□AECC_CIB\Lessons\Lesson10\Assets□□□□□□Shift□□□□□□□Albertson_ Hall.mov□storm_clouds.jpg□□□□□□□Import□Open□□□

3. □□File>New>New Folder□□□□□□□Project□□□□□□Create A New Folder□ □□□□□□□□□□□□□□□□□□□□□

4. □□Movies□□□□□□□□□Enter□□Return□□□□□□□□□□□Albertson_Hall.mov□□□□□Movies□□□□□

5. □□□□□□□□□□□□□□□□Images□□□□storm_clouds.jpg□□□Images□□□□□

6. □□□□□□□□□□□□□□□□□□10.1□□□



□10.1

10.1.2 □□□□□□

□□□□□□□□Albertson_Hall.mov□□□□□□□□□□□

1. □Albertson_Hall.mov□□□□□Project□□□□□Create A New Composition□□□ □□ □

After Effects□□□□□□□□□□□□□□□□□□□□□□□□□Composition□□□Timeline□□□□

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□□□□□□□□IEEE 1394□□□□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□FireWire□□/□□□□□□□□□□□□□□□

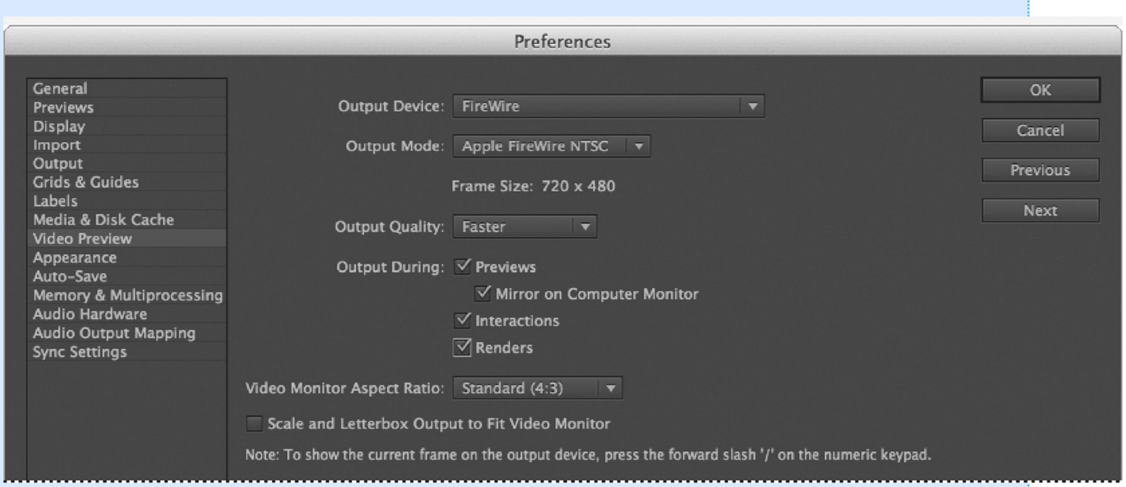
1. □□□□□□□□□□□□□□□□□After Effects CC□

2. □□□□□□□□□□□□□□□□□□

- □Windows□□□□□□Edit>Preferences>Video Preview□□□□□□Output Device□□□□□□□IEEE 1394□OHCI Compliant□□
- □MAC OS□□□□□□After Effects>Preferences>Video Preview□□□□□□Output Device□□□□□□□FireWire□

3. □□Output Mode□Windows□Mac OS□□□□□□□□□□□□□□□□□□□□□NTSC□□□

4. □□□□□□□□□□□□□□□□□□□□□Previews□Mirror On Computer Monitor□Interactions□Renders□□□10.2□□□

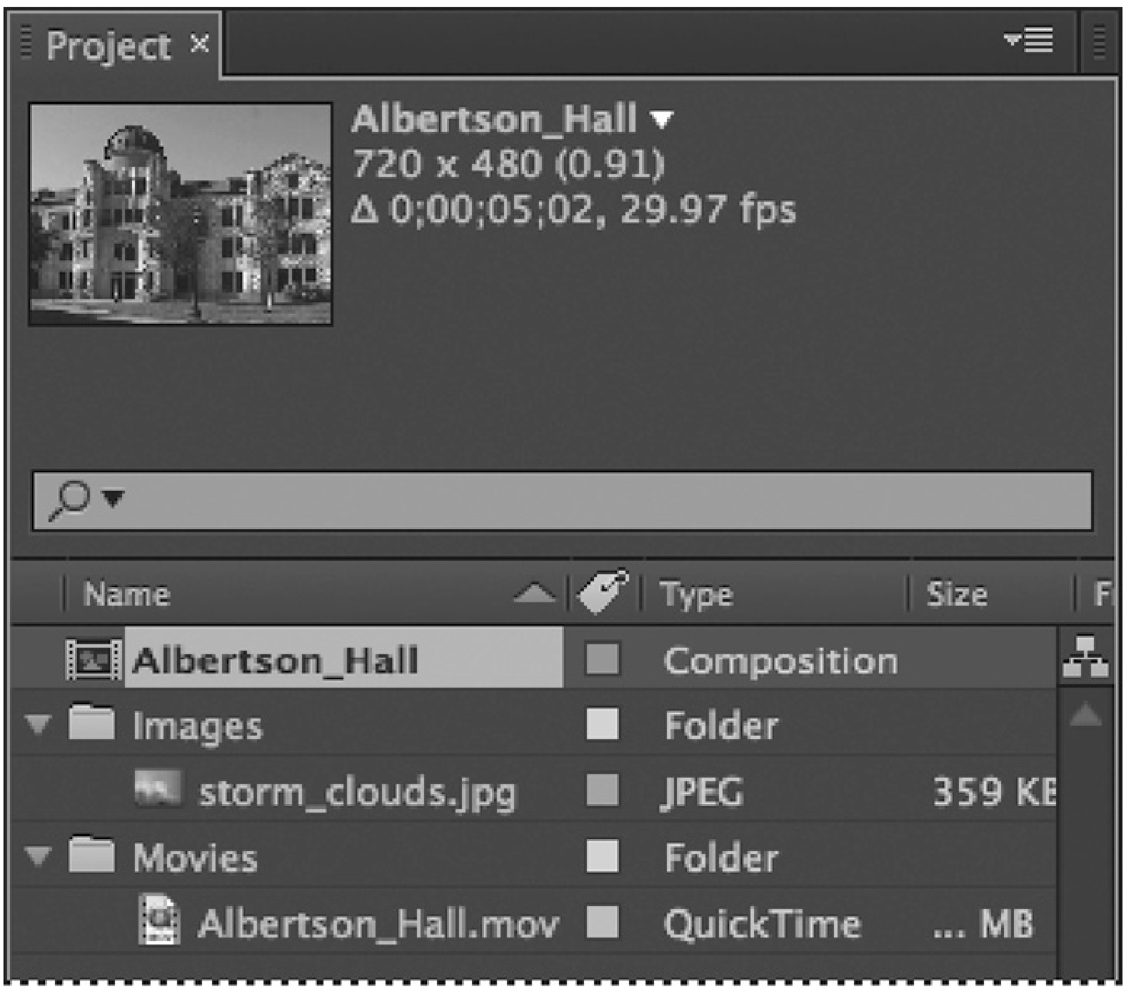


□10.2

> **5.** □□OK□□□□□Preferences□□□□
>
> □□□After Effects□□□

2. □□□□□□Composition>Composition Settings□□□□□□□□□□□□□□□□□□□□□□□□□□□5□□□NTSC DV□□□□□□□Cancel□□□□Composition Settings□□□□

3. □Albertson_Hall□□□□□□□Project□□□□□□□□□□□□□Movies□□□□□□10.3□□□



□10.3

4. □□□□□□□□□□□□□□□□□□□□

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5. □□File>Save□□□□□

10.2 □□□□□

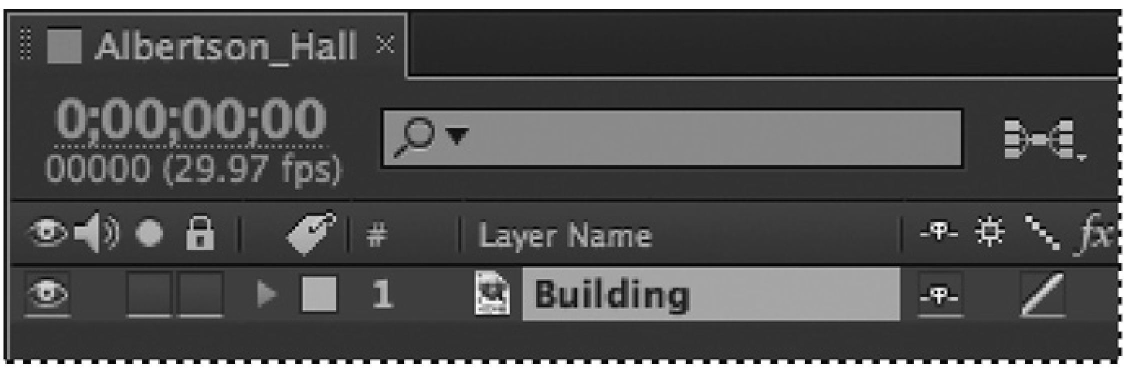
After Effects□□Levels□□□□□□□□□□□□□□□□

1. □Home□□□□□□□□□□□□□□

2. □Timeline□□□Albertson_Hall.mov□□

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> □□□□□□□□□□□Adobe SpeedGrade□Adobe Creative Cloud□□□□□□□□SpeedGrade□□□□□□www.adobe.com/products/speedgrade.html□□

3. □Enter□Return□□□□□□Building□□□Enter□Return□□□□□□10.4□10.5□□



□10.4



□10.5

4. □□Building□□□□□Effect > Color Correction> Levels□Individual Controls□□□□

Levels□Individual Controls□□alpha□□□□□□□□□□□□□□□□□□□□□Adobe Photoshop□□□Levels□□□□□□□□□□

Channel□□□RGB□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

5. □Effect Controls□□□□□□□Channel□□□□□□□□□□RGB□□□□□RGB□□□□□□□□□□□□

6. □Input Black□□□□2□□□□□□□□□□

□□□□□□Input Black□□□□□□□□□

7. Gamma□□□□0.85□□□□□□□□□□□□□□□□□□□□Gamma□□□□□□□□□□□□□□10.6□□10.7□□□□

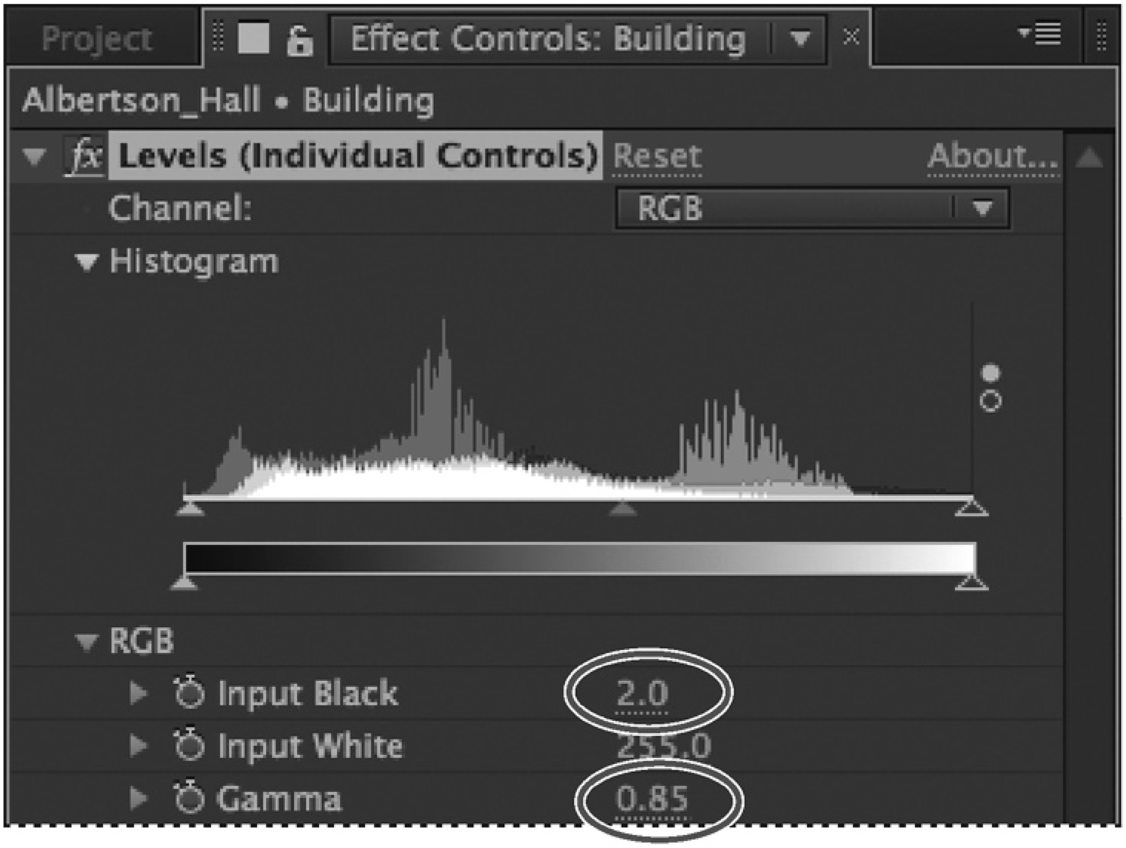

Project
Effect Controls: Building
Albertson_Hall • Building
Levels (Individual Controls)
Reset
About...
Channel:
RGB
Histogram
RGB
Input Black
2.0
Input White
255.0
Gamma
0.85

图10.6



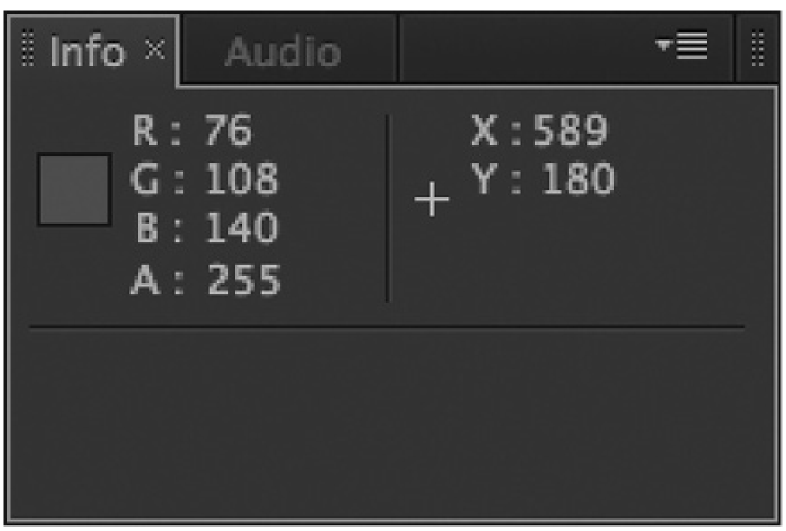
图10.7

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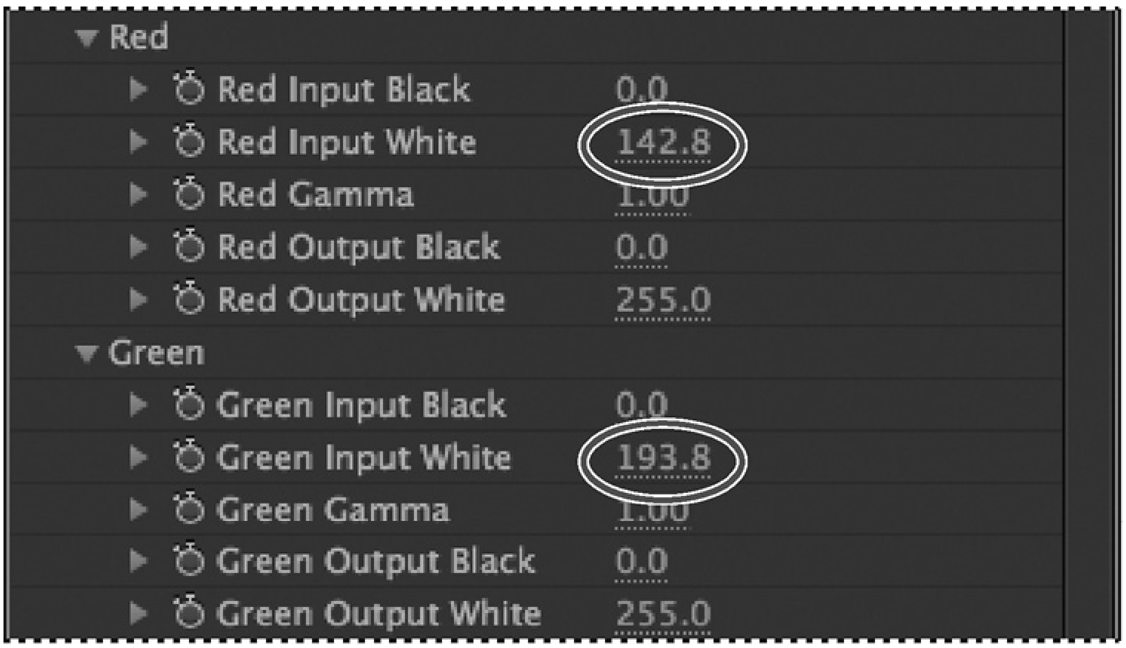


[illegible]10.9

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9. □Effect Controls□□□□□Red□Green□□□

10. □Red Input White□□□142.8□□Green Input White□□□193.8□□□10.10□□10.11□□□



□10.10



□10.11

□□□□□□□□□□□□□□□□□□□□

□□□□□□Input□□□□□□□□Output□□□□□□□□□□□□Red Input White□□□□□
□□□□□□□□□□□□Red Output White□□□□□□□□□□□□□□□□□□□

□□

11. □□Effect Controls□□□□Levels□Individual Controls□□□□

10.3 □□□□

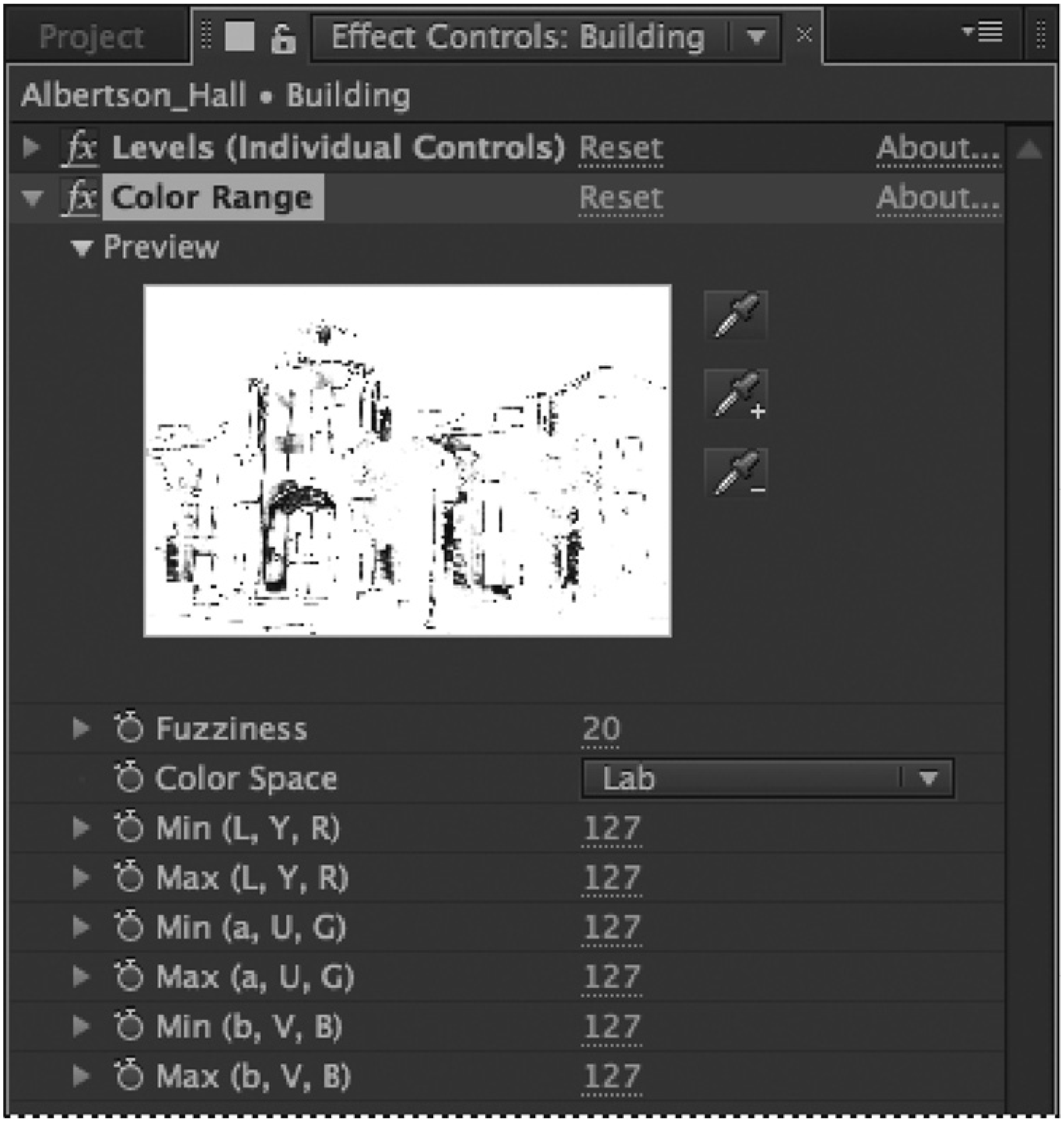
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10.3.1 □□Color Range□□□□□□□□

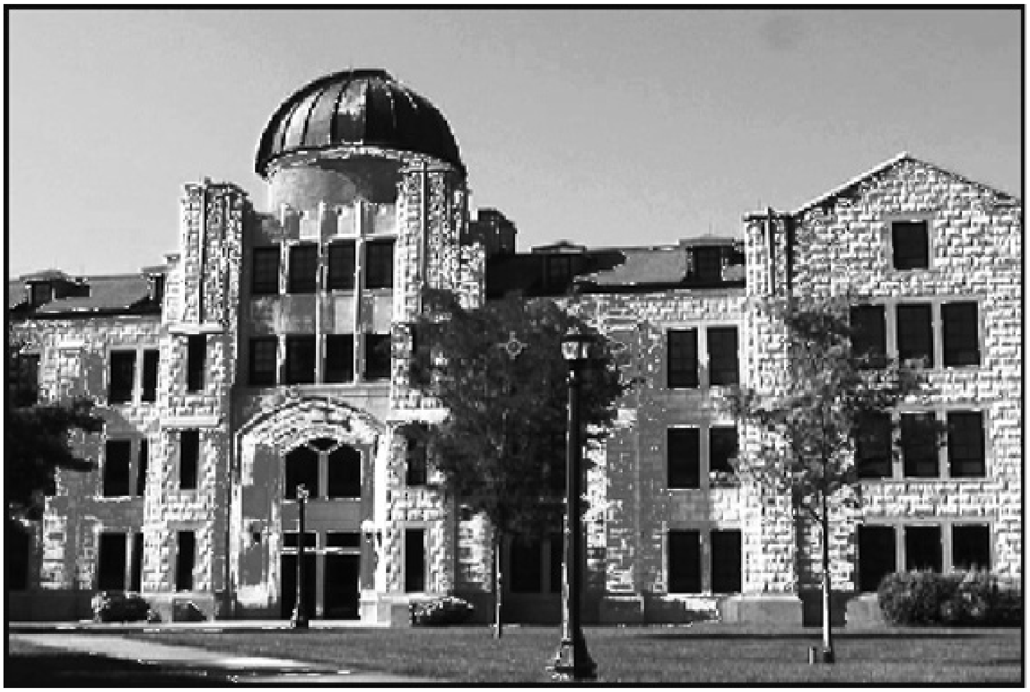
Color Range□□□
□□□□□□□□□□□□□□□□——□□□□□□Color Range□□□□□□□

1. □Home□□□□□□□□□□□□□□□□□□□□□□□

2. □Timeline□□□□□Building□□□□□□□Effect > Keying > Color Range□□□□□10.12□□10.13□□□


Project
Effect Controls: Building
Albertson_Hall • Building
fx Levels (Individual Controls) Reset About...
fx Color Range Reset About...
Preview
Fuzziness 20
Color Space Lab
Min (L, Y, R) 127
Max (L, Y, R) 127
Min (a, U, G) 127
Max (a, U, G) 127
Min (b, V, B) 127
Max (b, V, B) 127

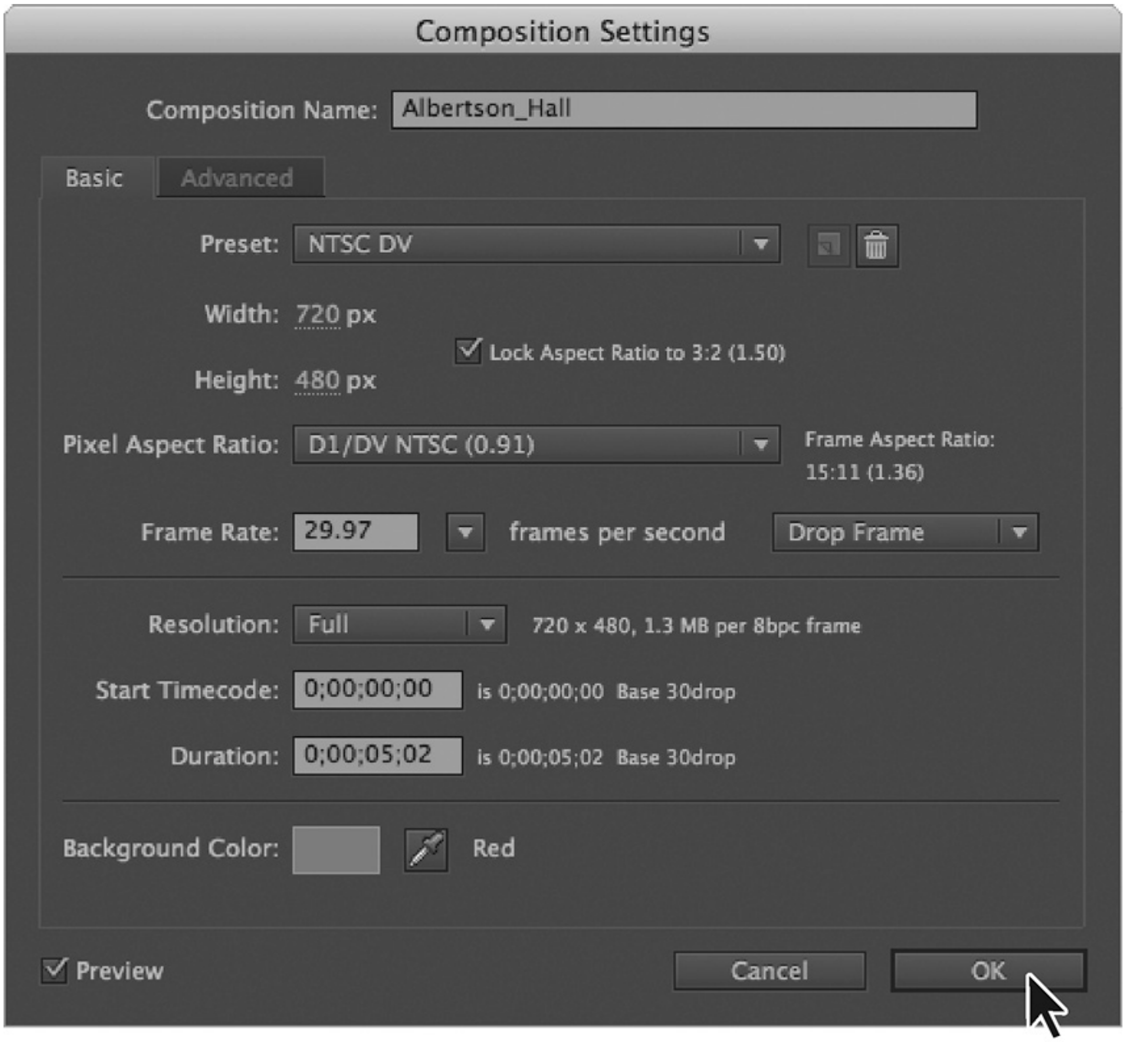
□10.12



□10.13

□□□□□□□□□□□□□□□□□□□□□□□

3. □□Composition > Composition Settings□□□□□Background Color□□□□□□□□□R=255□G=0□B=0□□□□OK□□□□□□□□□□□□□10.14□□□



□10.14

□□□

□□□□□□□□□□□□□□Toggle Transparency Grid□□□ □□□□□□□□□□□□□□□

4. □Effect Controls□□□□□Color Space□□□□□□□RGB□

5. □□Key Color□□□□□Effect Controls□□□Preview□□□□□□□□ Composition□□□□□□□□□□□□□□□□□□□□

□□□□□□Composition□□□□□□□□□□□Effect Controls□□□Preview□□□□ □□□□□□□10.15□□10.16□□□

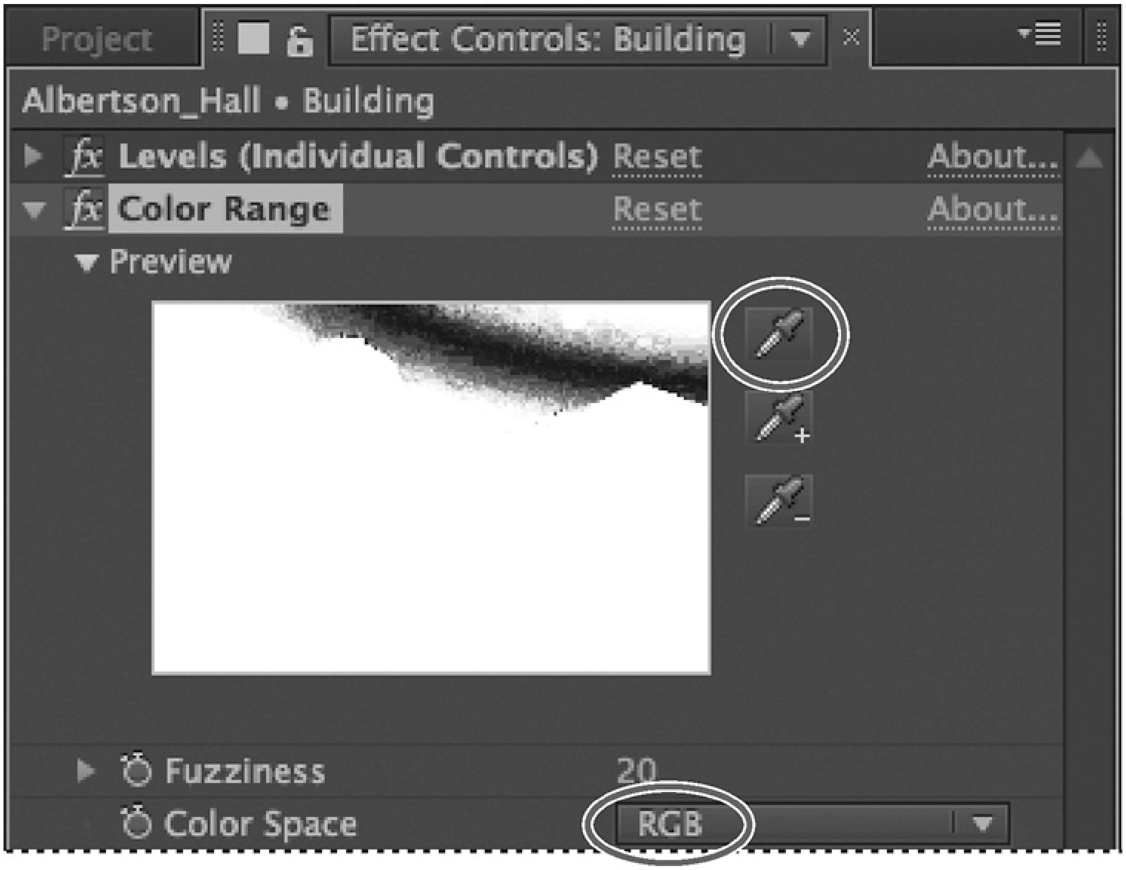

Project
Effect Controls: Building
Albertson_Hall • Building
Levels (Individual Controls)
Reset
About...
Color Range
Reset
About...
Preview
Fuzziness
20
Color Space
RGB

图10.15

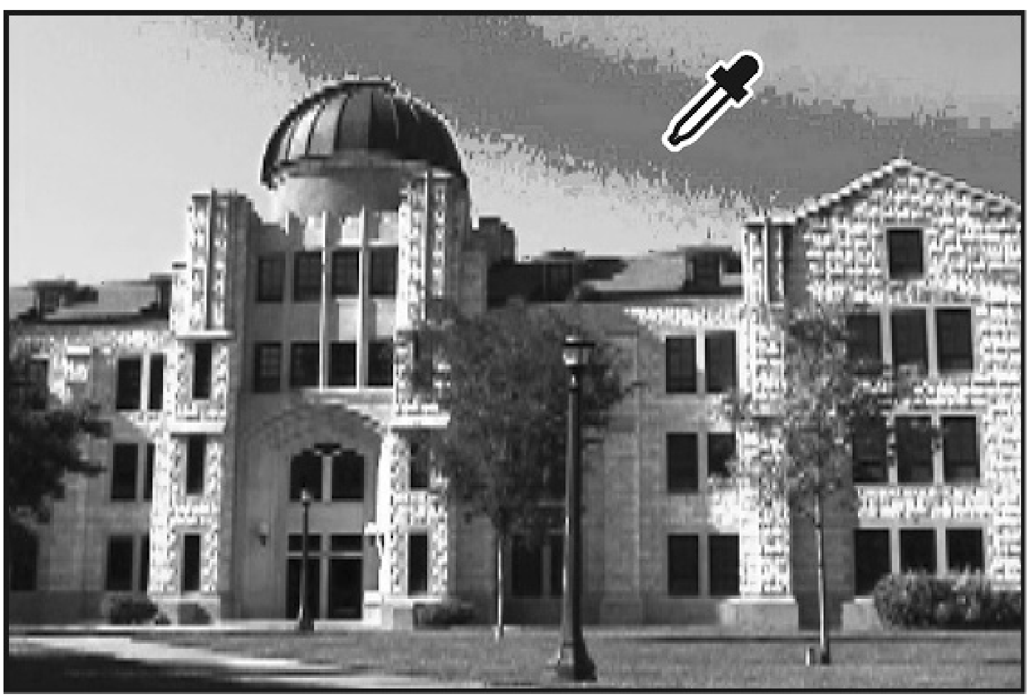
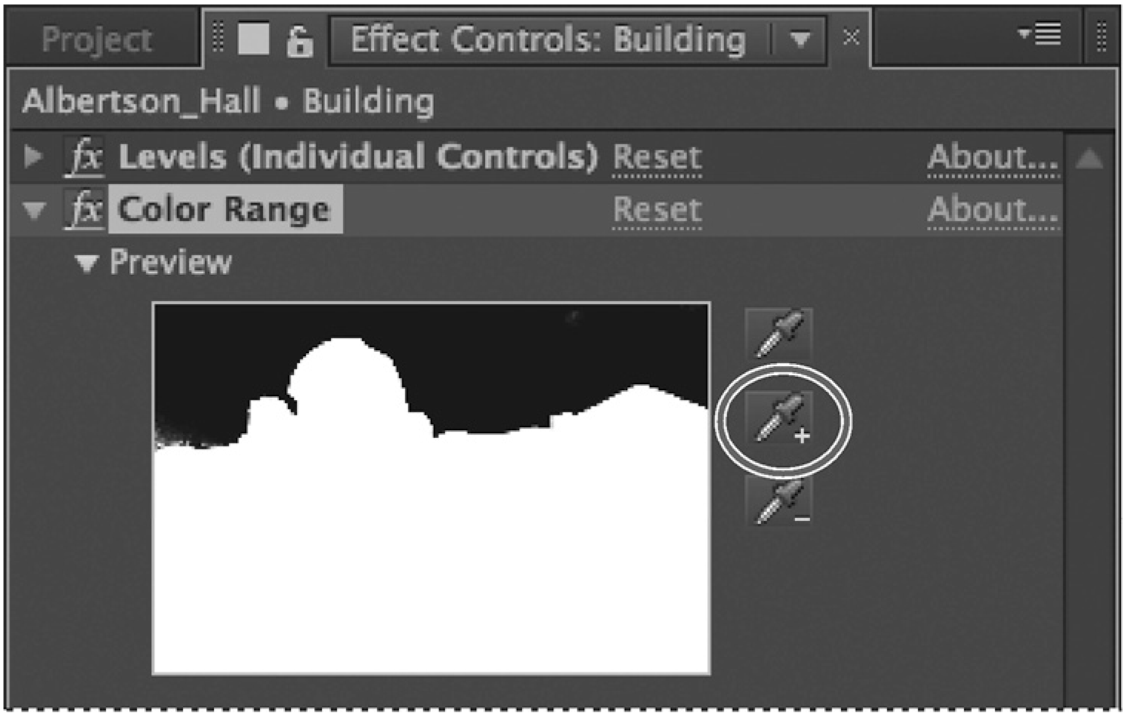


图10.16

6. □□Effect Controls□□□□Add To Key Color□□□□□□□□□ Composition□□□□□□□□□□□□

7. □□□□6□□□□□□□□□□□□□□□□10.17□□10.18□□□



□10.17



□10.18

□□□

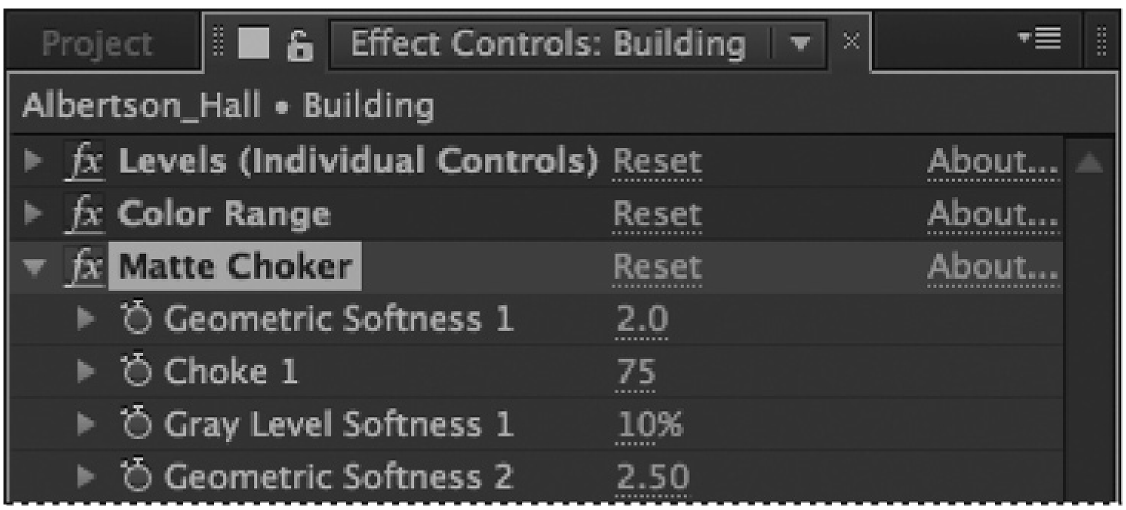
8. □□Effect Controls□□□□Color Range□□□

9. □□Effect > Matte > Matte Choker□□□

□□Matte Choker□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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10. □Effect Controls□□□□□Geometric Softness 1□□□□2□□□
Geometric Softness 2□□□□2.5□

Geometric Softness□□□□□□□□□□□□□□□□□□□□□□□□□□□10.19□□
10.20□□□



□10.19



□10.20

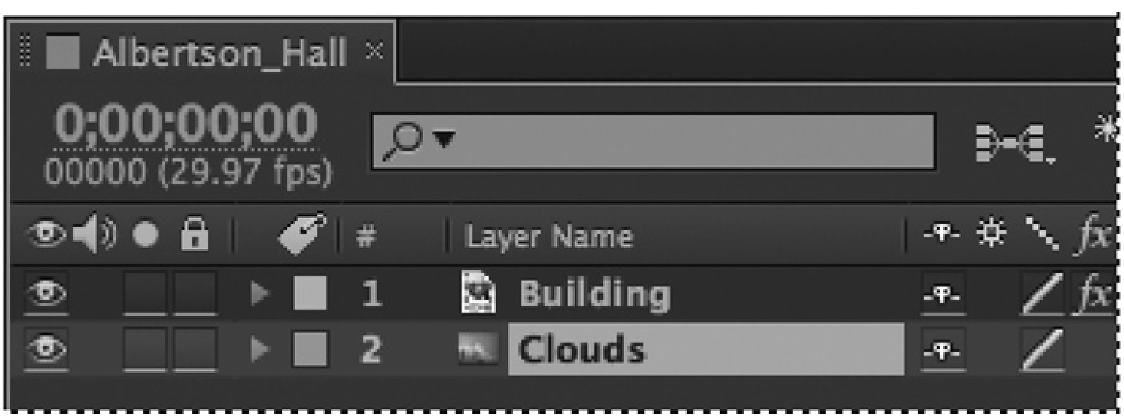
11. □□Effect Controls□□□□Matte Choker□□□□□□□□□□□□

10.3.2 □□□□□

□□□□□□□□□□□□□□□□□□□□□

1. □□Project□□□□□Project□□□□□□storm_clouds.jpg□□Project□□□□□Timeline□□□□□□□□□Building□□□□□

2. □□storm_clouds.jpg□□□□Enter□□Return□□□□□□□□□Clouds□□□□□□Enter□□Return□□□□10.21□□10.22□□□



□10.21



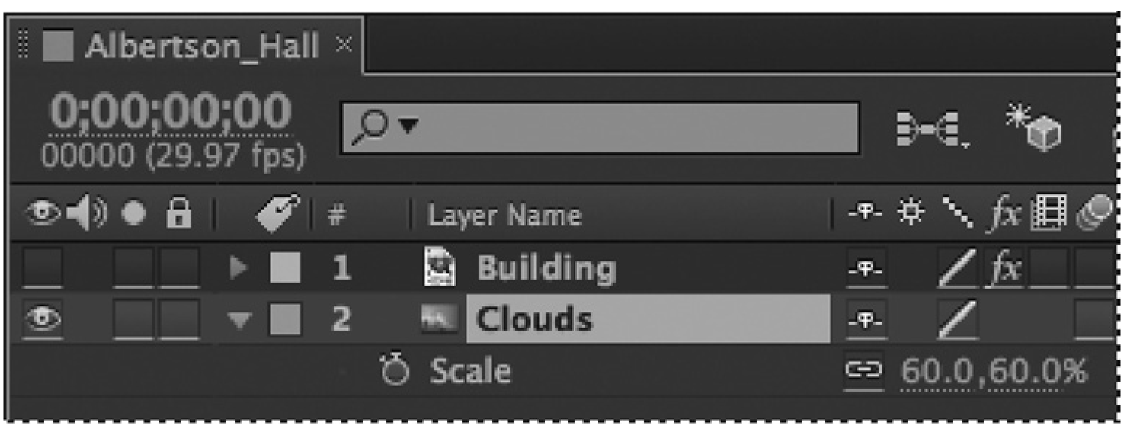
□10.22

3. □□Building□□□Video□□□ □□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

4. □Timeline□□□□□Clouds□□□□S□□□□Scale□□□

5. □Scale□□□□□□□60□60%□□□□10.23□□10.24□□□



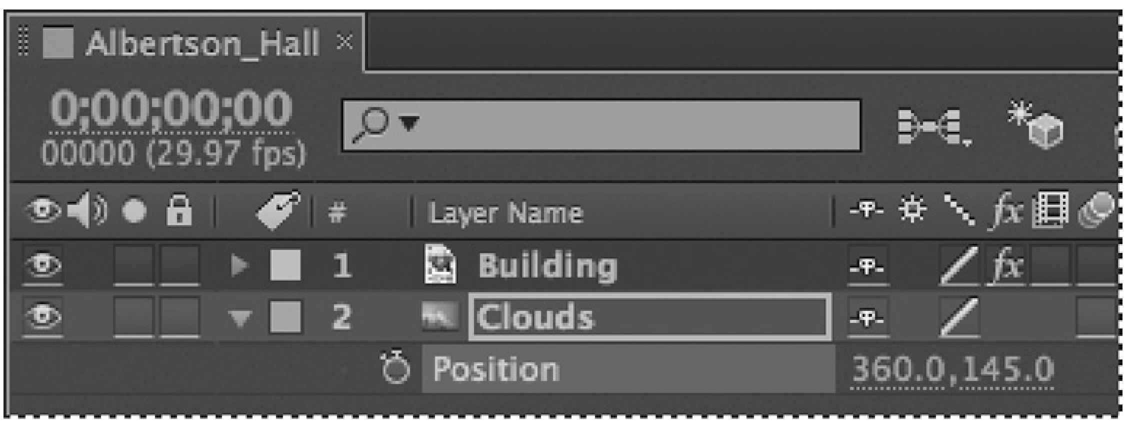
□10.23



□10.24

6. □□Timeline□□□□Clouds□□□□□□□□□□P□□□□Position□□□

7. □Position□□□□□□□360□145□□□□10.25□□10.26□□□



□10.25



□10.26

> **□□:**
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> □□□□□□□Tab□□□□□□□□□□□□□□

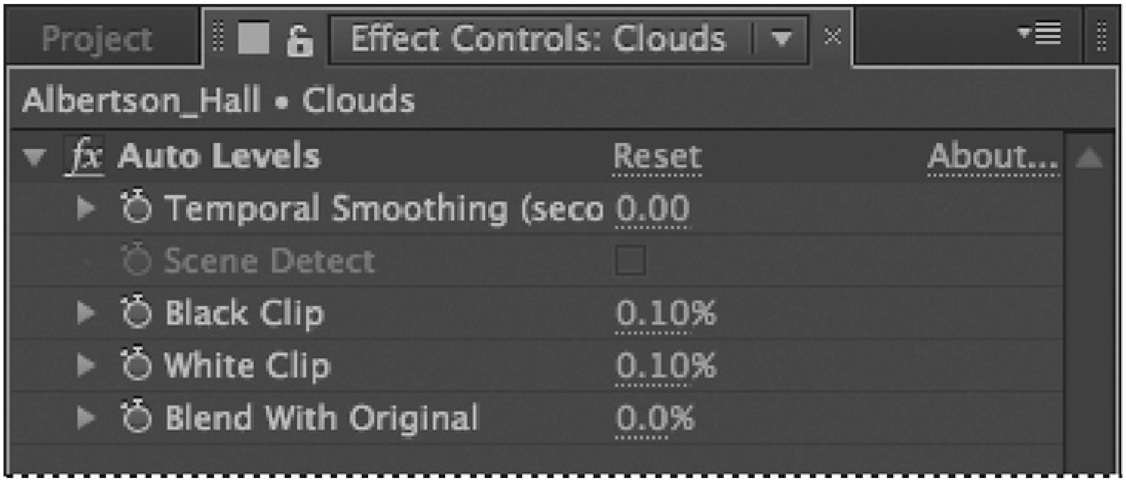
8. □P□□□Position□□□

10.3.3 □□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Auto Levels□□□□□

Auto Levels□□Auto Levels□□□□□□□□□□□□□□□□□□□□□□□□□□□Auto Levels□□□□□□□□□□□□□□□

1. □□Timeline□□□□Clouds□□□□□□□Effect>Color Correction>Auto Levels□□□□10.27□□10.28□□□



□10.27



□10.28

2. □□Building□□□Video□□□ □□□□□□□□□□□□□□□

3. □□File > Save□□□□□□□□

10.4 □□□□□□□

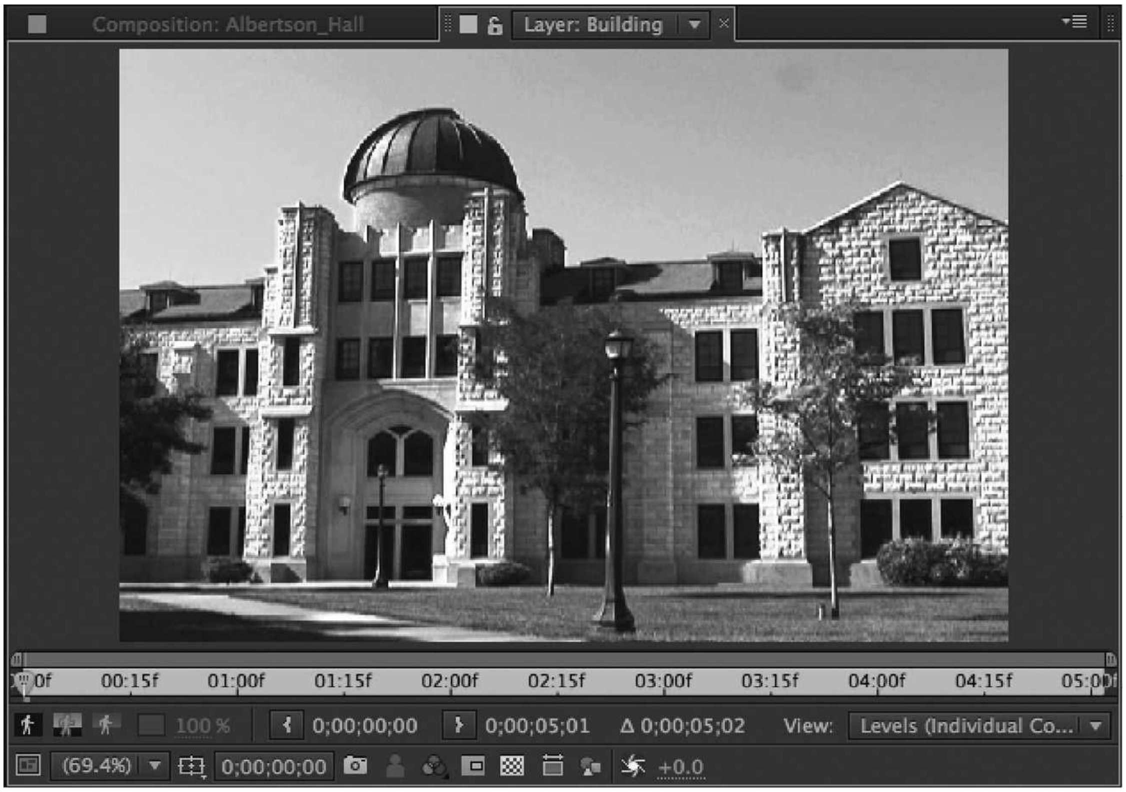
□□
□□□□□Clone Stamp□□□□□□□□□□□□□□□□□After Effects□□□□□□Photoshop

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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1. □Home□□□□□□□□□□□□□□□□□□□□□

2. □Timeline□□□□□Building□□□□Layer□□□□□□□□□□□□□□□□□□□□
——□□□□□□□□□□□□□□□10.29□□□



□10.29

3. □□□□□□□□□□□□□□□□□□□

4. □Tools□□□□□Clone Stamp□□□ □□

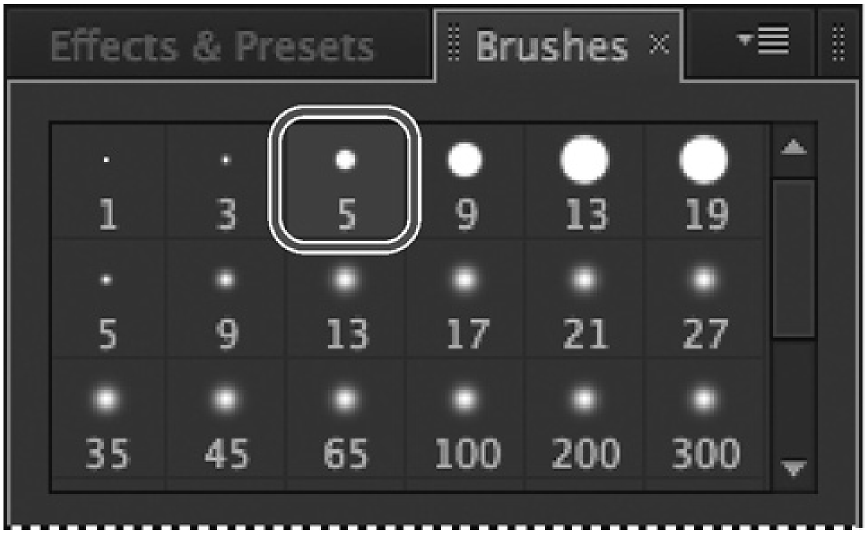
Clone Stamp□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□□Clone Stamp□□□□After Effects□□□Brushes□Paint□□□

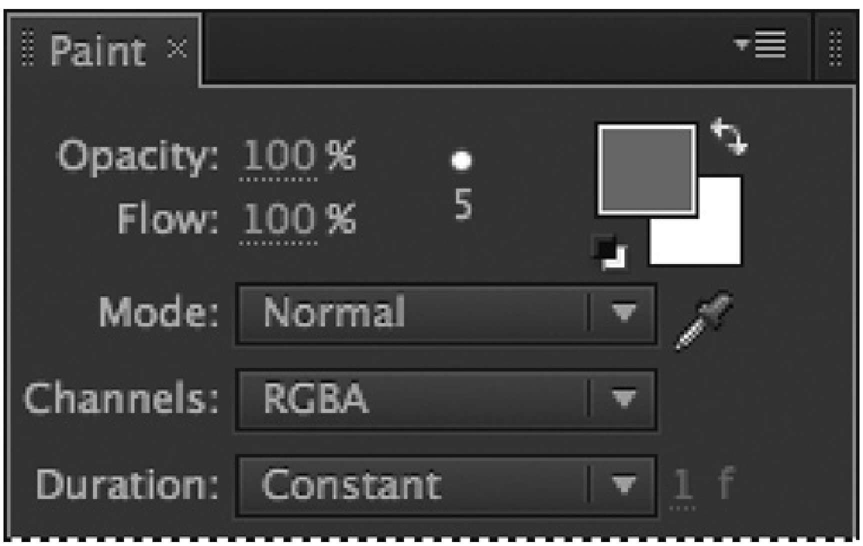
5. □Brushes□□□□□□□□□□□□5□□□□□□□

6. □Paint□□□□Duration□□□□□□Constant□

□□Constant□□□□□□□□□□□□Clone Stamp□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□10.30□□10.31□□□



□10.30



□10.31

7. □Layer□□□□□□□□□□□□□□□□□□□Alt□□□□□Windows□□□□Option
□□□□□□Mac OS□□□□□□□

8. □□□□□□□□□□□□□□□□□□□□□□□□□10.32□□10.34□□□

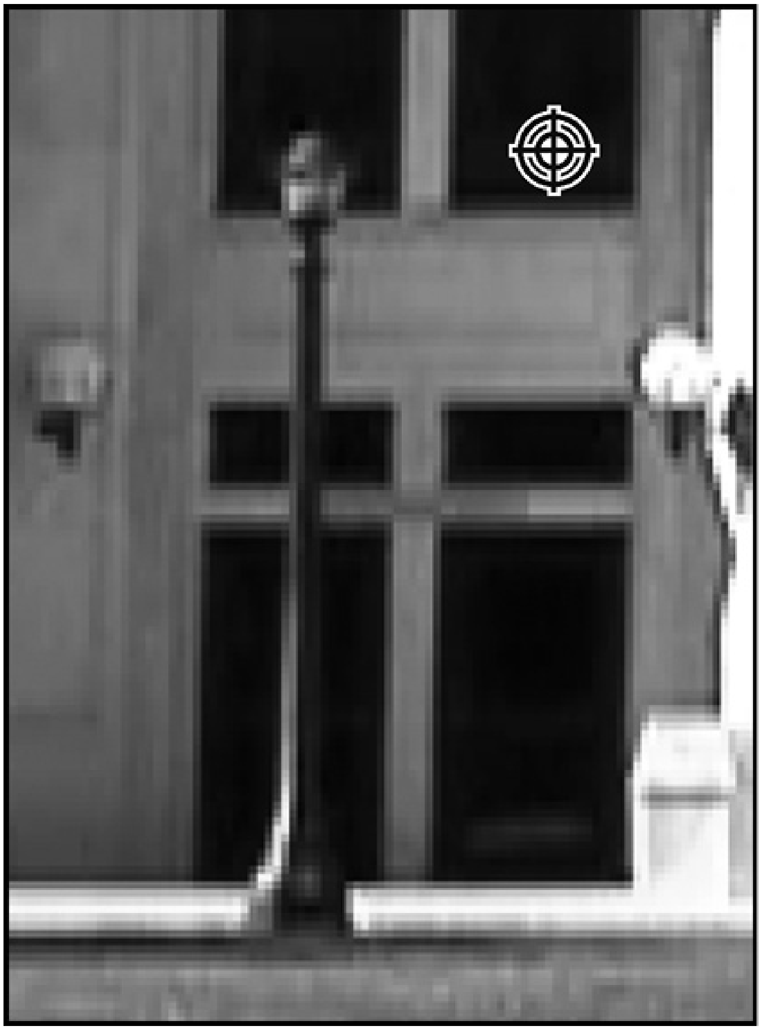


图10.32

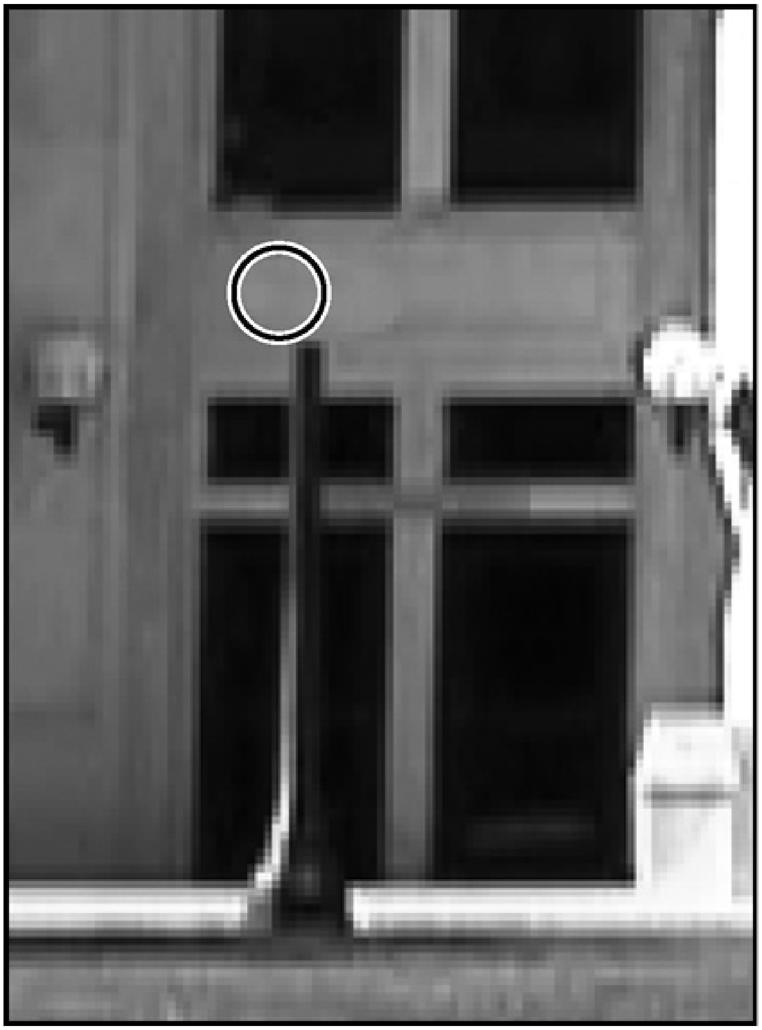
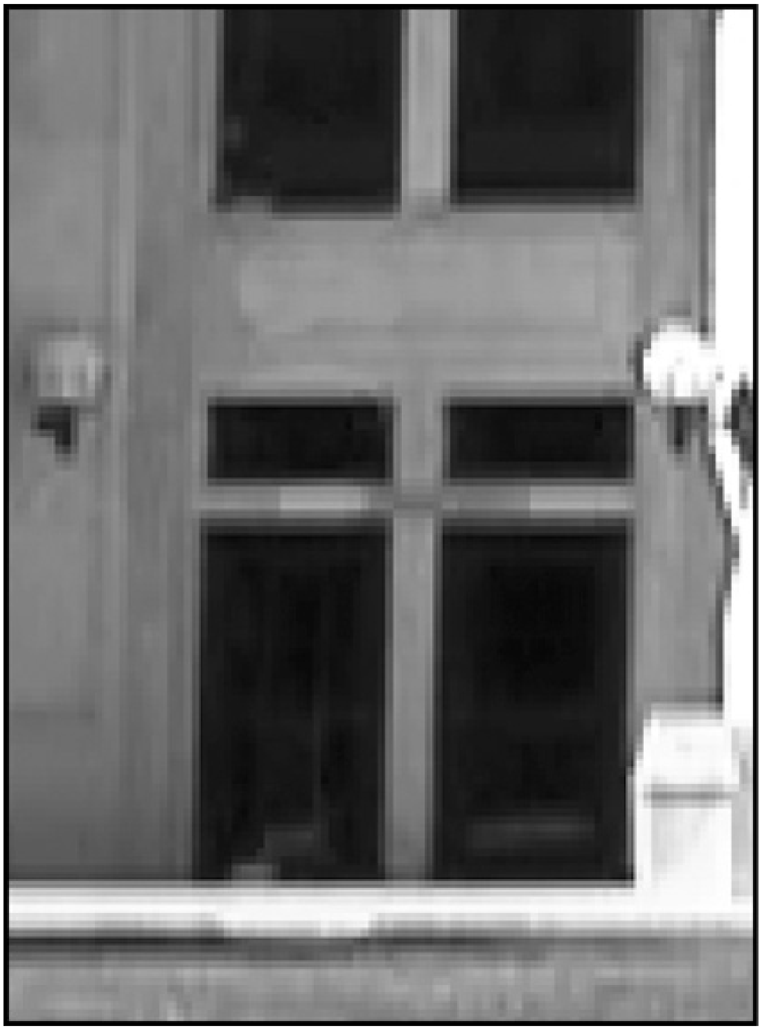


图10.33



□10.34

> □□□
>
> □□□□□□□□□□Ctrl+Z□Windows□□Command+Z□Mac OS□□□□□□□□□□□□□□□□□□□

9. □□□□□□□□□□Selection□□□□□□□□□Layer□□□□□□Composition□□□

10. □□Timeline□□□□□Building□□□□□□

10.5 □□□□□□□□□□

□□□Synthetic Aperture Color Finesse 3□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

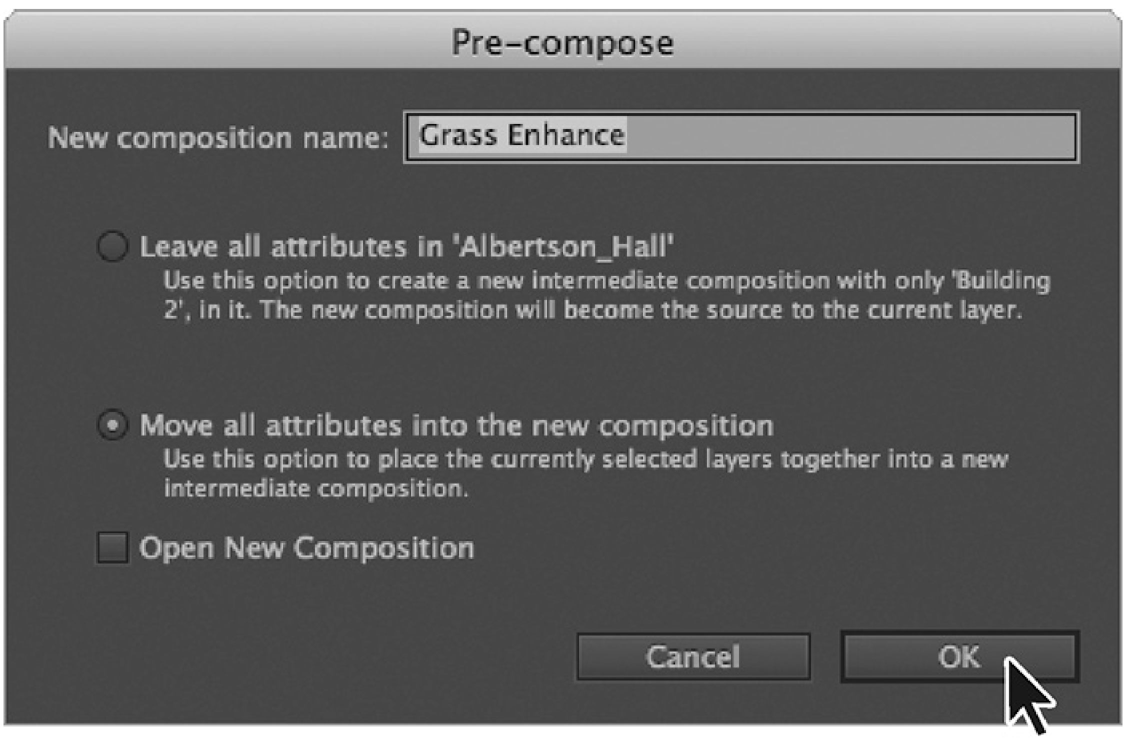
□□□ Synthetic Aperture Color Finesse 3□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□

Color Finesse 3□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□

1. □Timeline□□□□□Building□□□□□□Ctrl+D□Windows□□ Command+D□Mac OS□□□□□□□□□□

2. □□□□□□Building 2□□□□□Layer > Pre-compose□□□

3. □Pre-compose□□□□□□□□□□□□□□□Grass Enhance□□□Move All Attributes Into The New Composition□□□□□OK□□□□□10.35□□□

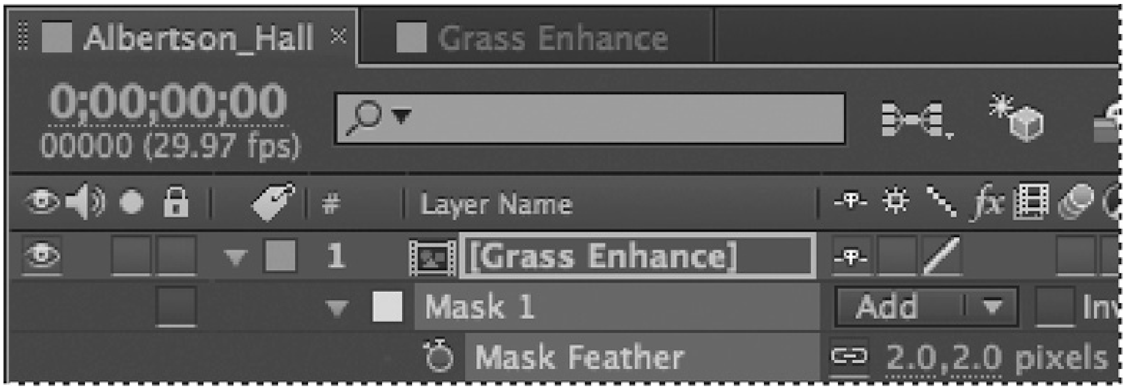


□10.35

□□
□□□□□□□□□□□□□□□□□□□□□□

4. □Timeline□□□□□Grass Enhance□□□□□□Tools□□□□Pen□□□ □□□
□□□□□□□□□□

5. □Timeline□□□□Grass Enhance□□□□□□□□F□□□□Mask Feather□□□□□□□□□□□2□2□□□□□□□□□□□□□□□□□□□□□10.36□□10.37□□□



□10.36



□10.37

6. □□□F□□□Mask Feather□□□

□□□□□□□□□□Color Finesse 3□□□□□□

7. □□Grass Enhance□□□□□Effect > Synthetic Aperture > SA Color Finesse 3□□□

□□□

SA Color Finesse 3□□□□□□□□□□□□□□□□□□□□□Synthetic Aperture□□□□□□□□□□□□□□□□□□

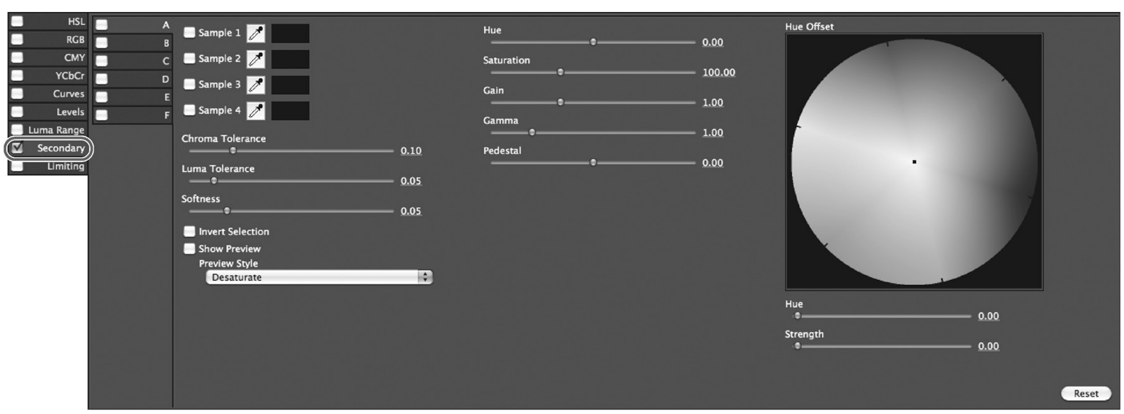
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□10.38

□□SA Color Finesse 3□□□□□□□□□□□□□

9. □□Secondary□□□□□□□□□□□□□□□□□□□□□□□□□Secondary□□□□□□□□□□□□□□□10.39□□□



□10.39

SA Color Finesse 3□□□□□□6□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

10. □□A□□□□□□□□□□□□□□□□□□□□□□

11. □□4□Sample□□□□□□□□□□□□□□4□□

□□4□□□□□□□□□□□□□□□□□□□□□SA Color Finesse 3□□□□□□□□□□□□□□□□□

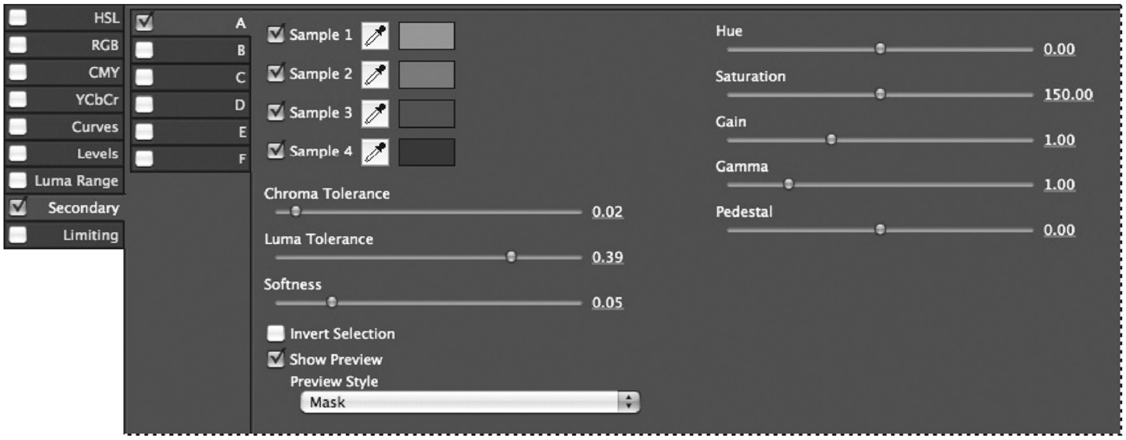
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13. □□Chroma Tolerance□Luma Tolerance□Softness□□□

14. □Saturation□□□□150□□□10.40□□10.41□□□



□10.40



□10.41

> **□□□**
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> □□□□□□□SA Color Finesse 3□□□□□□□□□□□□□□□□□□□□Help > View Color Finesse User’s Guide□□□□□□Help > View Color Finesse Online Knowledge Base□□□

15. □□□□Show Preview□□□□□OK□□□□□□□□□□□□SA Color Finesse 3□□□

16. □□File>Save□□□□□□□□

10.6 □Photo Filter□□□□□□□

□□□□□□□Photo Filter□□□□□□□□□□□□□□□□□□□□□□□□

Photo Filter□□Color Picker□□□□□□□□□□□□□□□□□

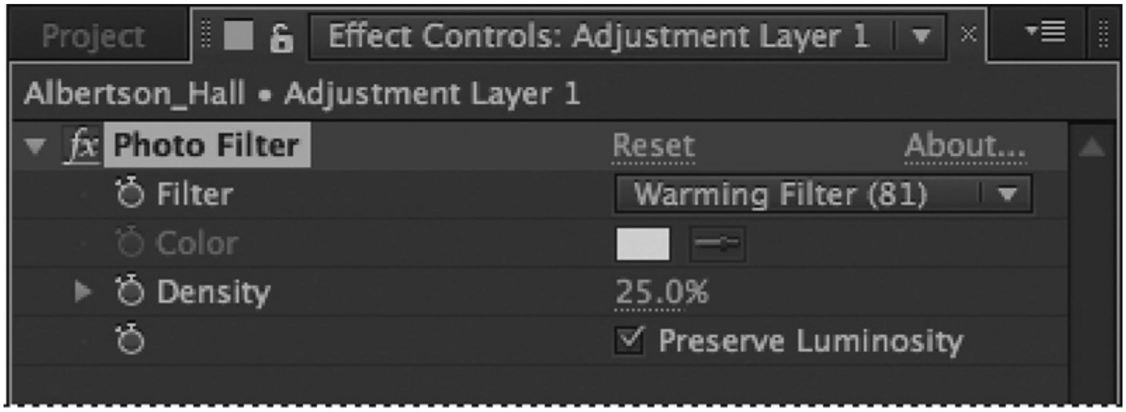
□□□□□□□□□□□□□□□□□□□□□□□□□□□□Photo Filter□□□

1. □□Timeline□□□□□□□□□□□□□□□□□□

2. □□Layer > New > Adjustment Layer□□□□□□□□□□□□□□□□□□□□□□

3. □Timeline□□□□□Adjustment□□□□□□Effect>Color Correction>Photo Filter□□□

4. □Effect Controls□□□□□Filter□□□□□□Warming Filter□81□□□□10.42□□10.43□□□



□10.42



□10.43

5. □□File>Save□□□□□□□

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10.7 □□□□□

10.7.1 □□□

1. □□□□□□□□□□□□□□□

2. SA Color Finesse 3□□□□□□□□

3. □□□□□□□□□□□□□□□□□

4. □□□□□□□□□□□□□□□□□□

10.7.2 □□□□□

1. □□□
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2. SA Color Finesse 3□□□After Effects CC□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□□□SA Color Finesse 3□□□□□□□□□□□□□□□□□□□□□□
□□

3. □Photo Filter□□□□□□□□□□□□□□□□□Photo Filter□□□□□□□□□□□□□□
□□□□□□□□□□□□□□Photo Filter Effect Controls□□□□□Warming Filter□□□
□□□□□□□□

4. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Paint□□□□
Duration□□□□□□□Constant□

□11□ □□3D□□

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- □After Effects□□□3D□□□
- □□□□□□□3D□□□
- □□3D□□□
- □□□□□□□□□□
- □□□□□□□□□□□□□
- □□After Effects□□□□□Maxon Cinema 4D□□□□□
- □Cinema 4D□□□□□After Effects□□

□□□□□□1□□□□□□□□□□After Effects□□□□□□□□□□□Lesson11□□□□□□□□□□□□□□□□□□□□□□□□Lessons□□□□□□□Lessons□□□



> □□□After Effects□Timeline□□□□□□□□□□□□□2D□□□□□3D□□□□□□□□□□□□□□□□□□□Maxon Cinema 4D Lite□□□After Effects□□□□□□□□□□□□□□

11.1 □□

Adobe After Effects□□□□□□*x*□*y*□□□□□*x*□*y*□*z*□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□3D□□After Effects□□□*z*□□3D□□□□□□□□□□□3D□□□□3D□□□□□□□□□□□□□□□□Maxon Cinema 4D Lite□□□□After Effects□□□□□□□□□□□□□3D□□□□□□□□

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1. □□□□□□□□□□□□□□□□AECC_CIB\Lessons\Lesson11□□□□□

- Assets□□□□Lunar.mp3□Space_Landscape.jpg□
- Sample_Movie□□□□Lesson11.mov□

2. □□□□□□Lesson11.mov□□□□□□□□□□□□□□□□□□□□□QuickTime Player□□□□□□□□□□□□□□□□□□□□□□□□□

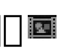
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3. □□After Effects□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□OK□□□□□□□□□□□Close□□□□□□Welcome□□□

After Effects□□□□□□□□□□□□□□□

4. □□File>Save As>Save As□□□

5. □Save Project As□□□□□□□AECC_CIB\Lessons\Lesson11\Finished_Project□□□□□□□□□□Lesson11_Finished.aep□□□□□Save□□□

6. □□Project□□□□□Create A New Composition□□□□□

7. □Composition Settings□□□□□□□□□□□□□□□OK□□□

- □□□□□□Lunar Landing Media□
- □Preset□□□□HDTV1080 24□
- □Duration□□□3:00□
- □□□□□□□□□□□□11.1□□□

8. □□File>Save□□□



□11.1

11.2 □□3D□□

□□□□3D□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□*x* □□□□*y* □□□□□□□□□□□□□□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□*z* □□□□□□□□□□□□□□□□□□□□□□□3D□□□□□□□□□□□□Cinema 4D□□□□□□□□□□□

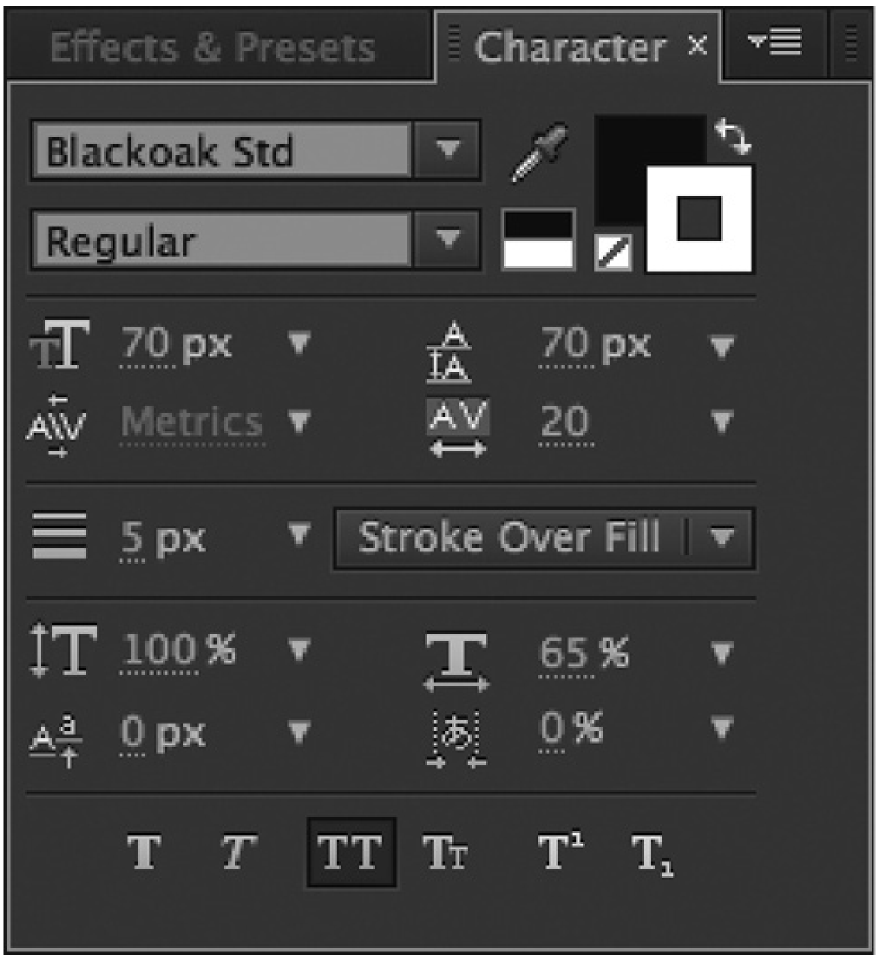
1. □□Timeline□□□□□□

2. □Tools□□□□□Horizontal Type□□□T□□

After Effects□□Character□Paragraph□□□

3. □Character□□□□□□□□□□

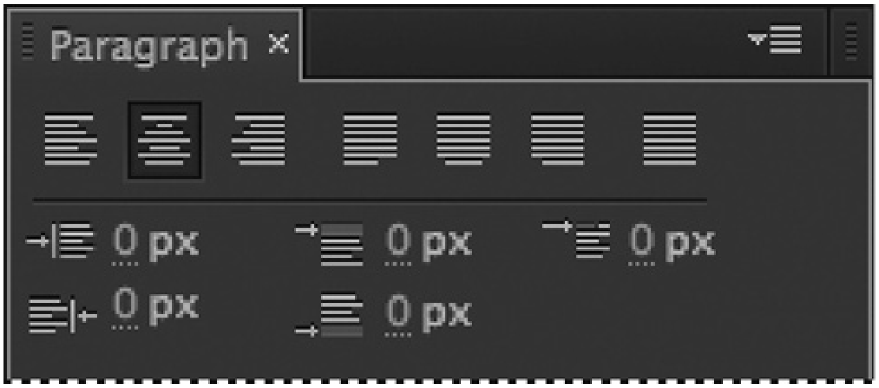
- □□□Blackoak Std□
- □□□□□□□□
- □□□□□□□□
- □□□□□70□□□
- □□□70□□□
- □□□20□□□
- □□□□□5□□□
- □□□□□□65%□□□11.2□□□



□11.2

4. □□All Caps□□□□□□Character□□□□□□□□□□□Stroke Over Fill□

5. □Paragraph□□□□□□□□□□Center Text□□□11.3□□□

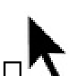


□11.3

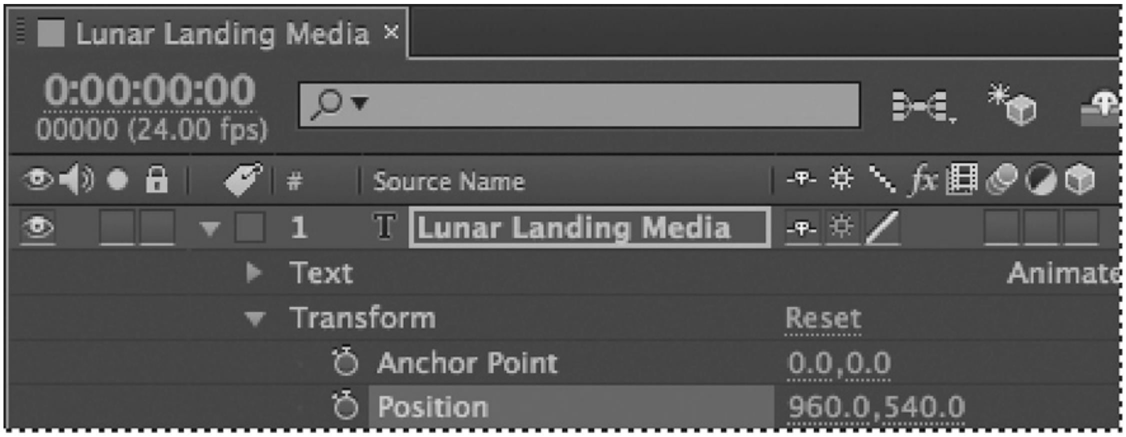
6. □□Composition□□□□□□□□□Lunar Landing Media□□□□□□□□□□□□□□11.4□□□



□11.4

7. □□Selection□□□  □□

8. □Timeline□□□□□□Lunar Landing Media□□□Transform□□□□□□□Position□□□□960□540□□□□11.5□□□



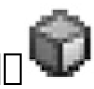
□11.5

□□□

After Effects□□□□□□□□□□3D□□□□□□□After Effects□□□□□□□□□□□□0□0□□□□3D□□□□□□

□□Maxon Cinema 4D□□□□□□□□□□□□□□□□□□□0□0□0□□

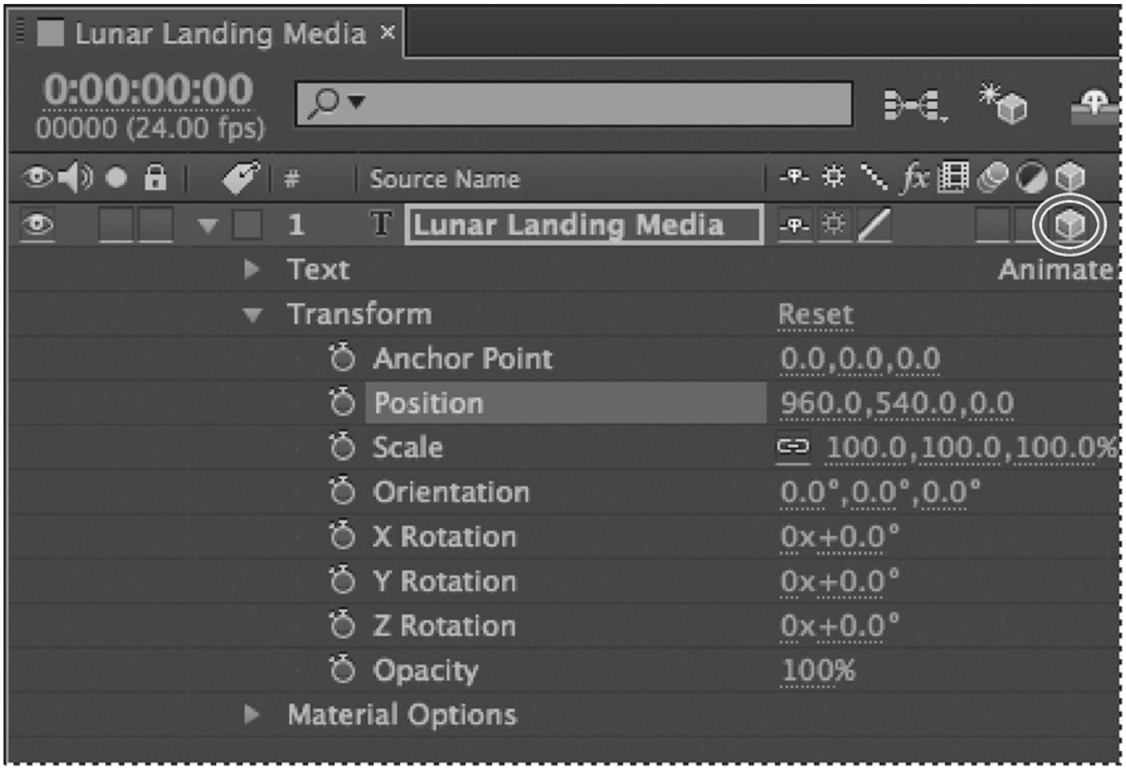
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9. □Timeline□□□□□Lunar Landing Media□□□3D Layer□□□  □□
□□□□□□□□□□□□11.6□□11.7□□□



□11.6

3□3D Rotation□□□□□□□□□Transform□□□□□□□□□□□□□□□□□□□□□□z□□
□□□□□□□□□□□□□□□□Material Options□□□□□□



□11.7

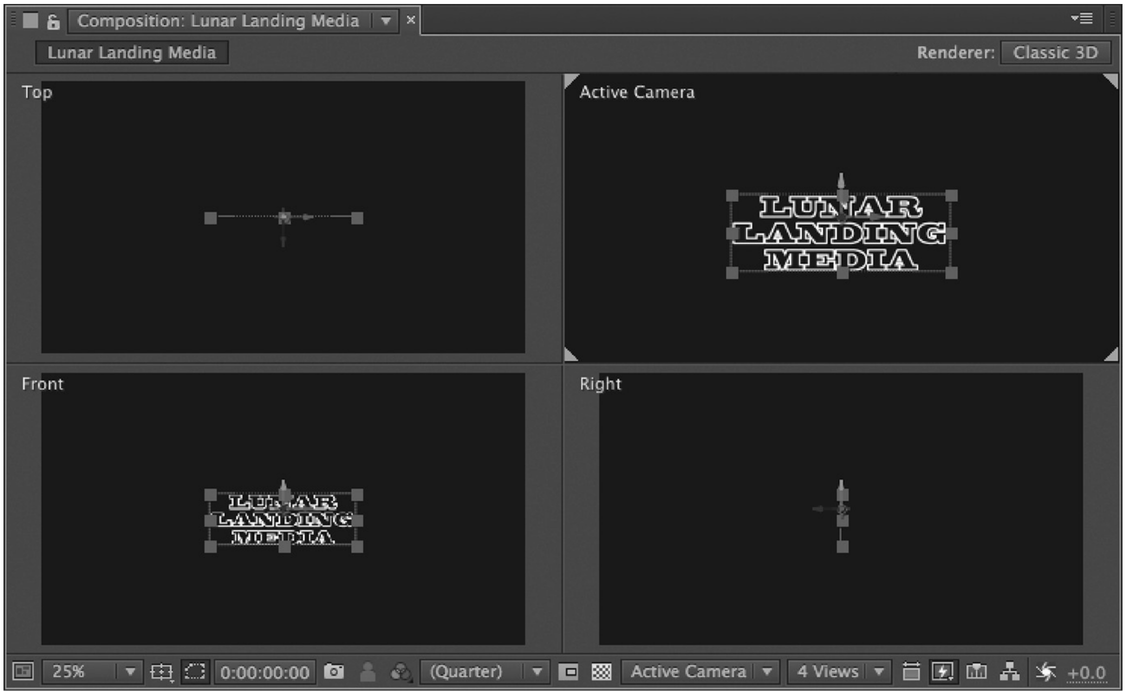
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y □□□□□□□□z □□□□□z □□□□x □□y □□□□□□□□□□□□□□□□□□□□□□Selection
□□□□□□□□□□□□□□□□□x □y □z □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□

10. □□Lunar Landing Media□□□□□□

11.3 □□3D□□

3D□□□□□□□□□□□□□□□□□□□□□□□□□x □y □□□□□□□□□□□□□□□z □□□□□
□□□□□□□□Composition□□□□□□□□□□□□□Composition□□□□□Select View
Layout□□3D View□□□□
□□□□□□□□

1. □Composition□□□□□□□Select View Layout□□□□□□□□□□□□□□□□□
4 Views□□□□□□□□2 Views-Horizontal□□□11.8□□□

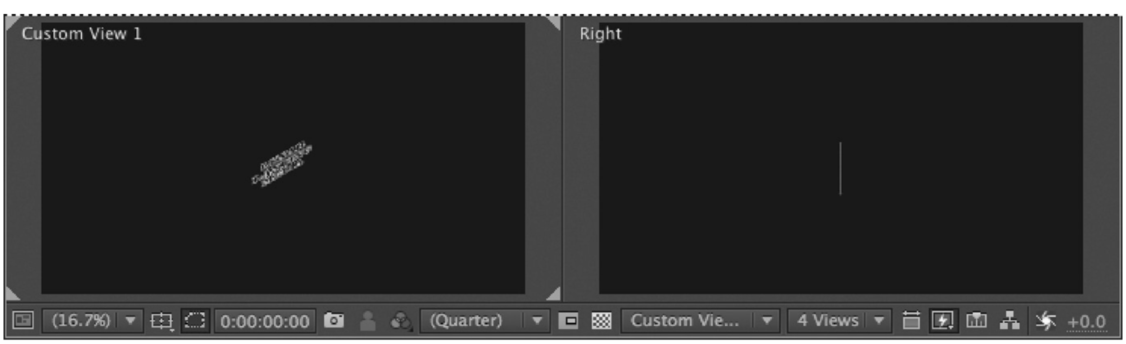


□11.8

□□4 Views□□□□□□□□□□□□□□□□□□*y* □□□□□□□□□*z* □□□□□□□□□□□□□□□□
□□
□□□□□□□□□□*x* □□□□□□

□□2 Views-Horizontal□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

2. □□Front□□□□□□□□□□□□□□□□□□□□□□□□□□□3D View□□□□□□□□
Custom View 1□□□□□□□□□□□□□11.9□□□□□Composition□□□□□□□□□□□□
Top□□□□□□3D View□□□□□□□□Custom View 1□□



□11.9

□□□□□□□□3D□□
□□□3D□□□□□□□

11.4 □□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Project□□□□□□□□□□Import File□□□□

2. □□□Lesson 11/Assets□□□□□□□□Space_Landscape.jpg□□□

3. □Space_Landscape.jpg□□□Timeline□□□□□□□□□□□□□□

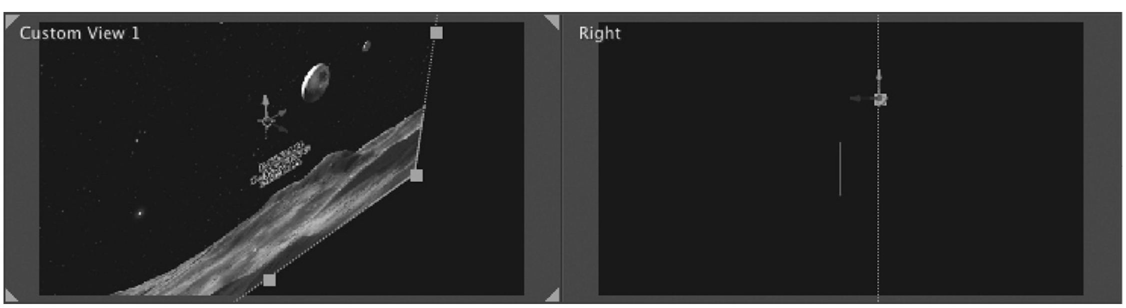
4. □Space_Landscape.jpg□□□□□Background□

5. □Timeline□□□□□Space_Landscape.jpg□□□□□□3D Layer□□□□□□□□□3D□□□

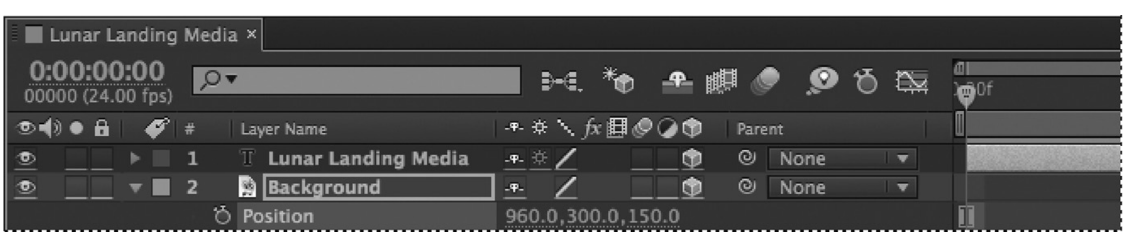
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7. □Timeline□□□□□P□□□Background□□□Position□□□□Position□□□□960□300□150□□□□11.10□□11.11□□□



□11.10



□11.11

8. □□File>Save□□□□□□□□□□

11.5 □□3D□□

□□□□□□□3D□□

11.5.1 □□□□□□

□After Effects□□□□□□□□□□□□□□□□□□□□□□4□□□□□□□□□□□——Parallel□Spot□Point□Ambient——□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Home□□□□□□□□□□□□□□□□□□□□□

2. □□Layer>New>Light□□□

3. □Light Settings□□□□□□□□□□□□

- □□□□□□Key Light□
- □Light Type□□□□□□□Spot□
- □Color□□□□□□□R=255□G=235□B=195□□
- □□Intensity□□□□□100%□Cone Angle□90°□
- □□Cone Feather□□□50%□
- □□Casts Shadows□□□
- □Shadow Darkness□□□50%□Shadow Diffusion□□□150□□□
- □□OK□□□□□□□□□□□11.12□□□

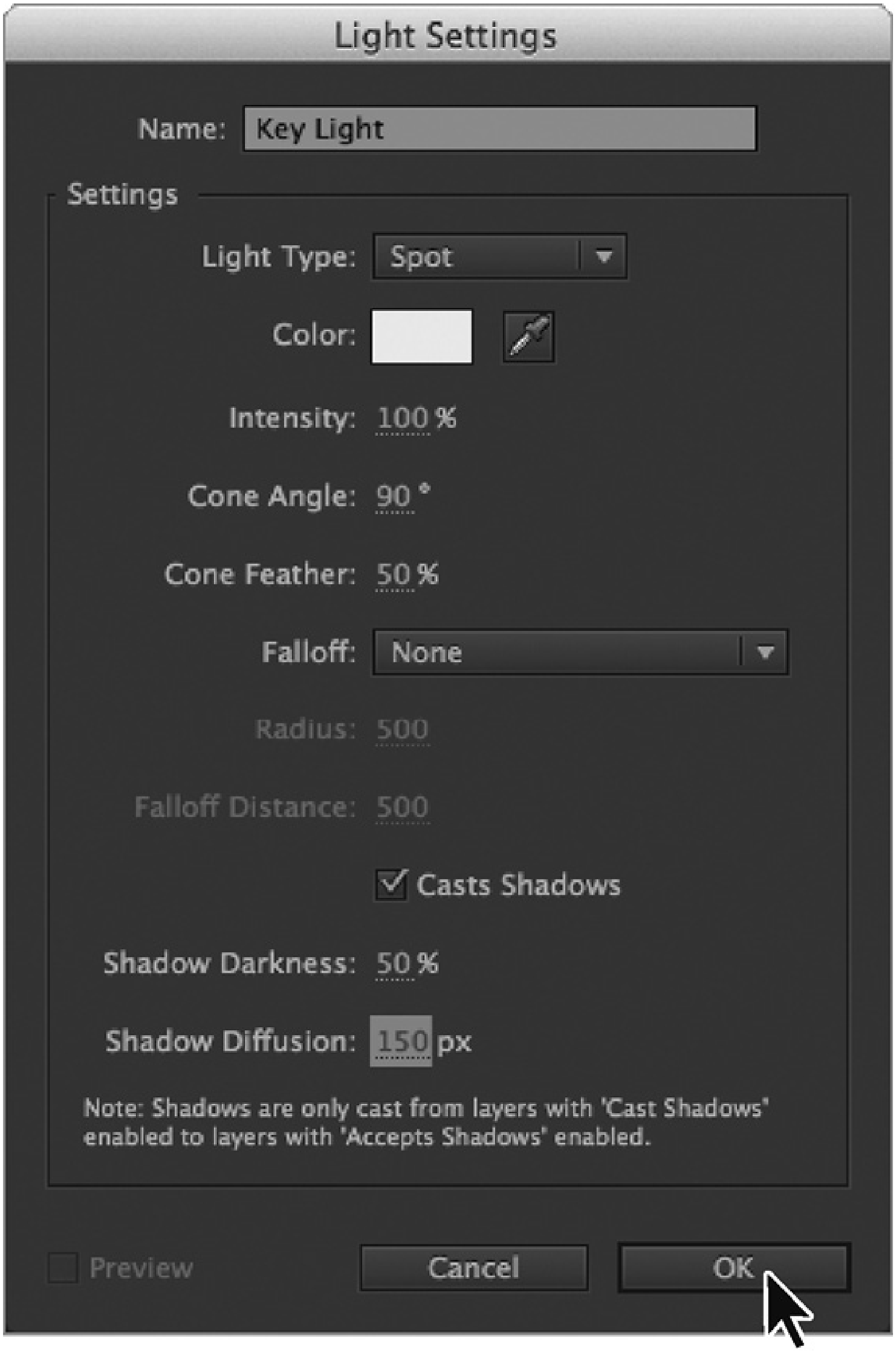

Light Settings
Name: Key Light
Settings
Light Type: Spot
Color:
Intensity: 100 %
Cone Angle: 90 °
Cone Feather: 50 %
Falloff: None
Radius: 500
Falloff Distance: 500
Casts Shadows
Shadow Darkness: 50 %
Shadow Diffusion: 150 px
Note: Shadows are only cast from layers with 'Cast Shadows' enabled to layers with 'Accepts Shadows' enabled.
Preview
Cancel
OK

图11.12

□□□□Timeline□□□□□□□ □□□□Composition□□□□□□□□□□□□ □ □□□□□□

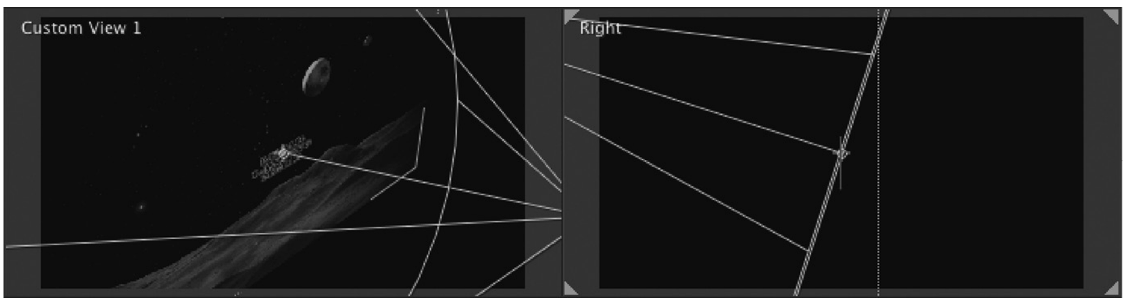
11.5.2 □□□□

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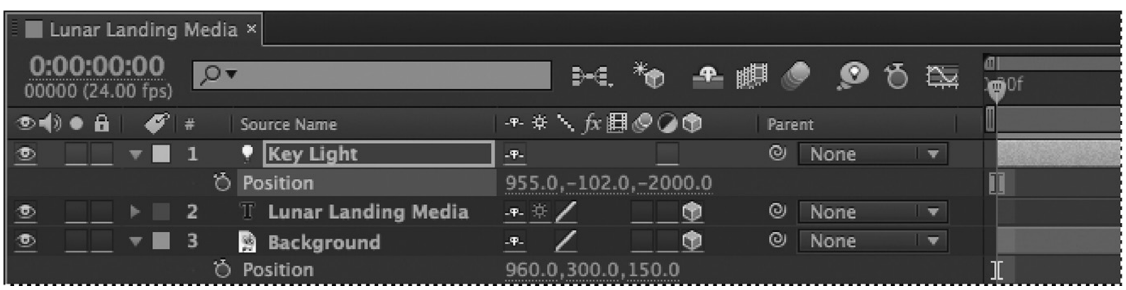
1. □Timeline□□□□Key Light□□□□□P□□□□□□□Position□□□

2. □Timeline□□□□Position□□□□□955□−102□−2000□□

□□□□□□□□□□□□□□□□□□11.13□□11.14□□□



□11.13



□11.14

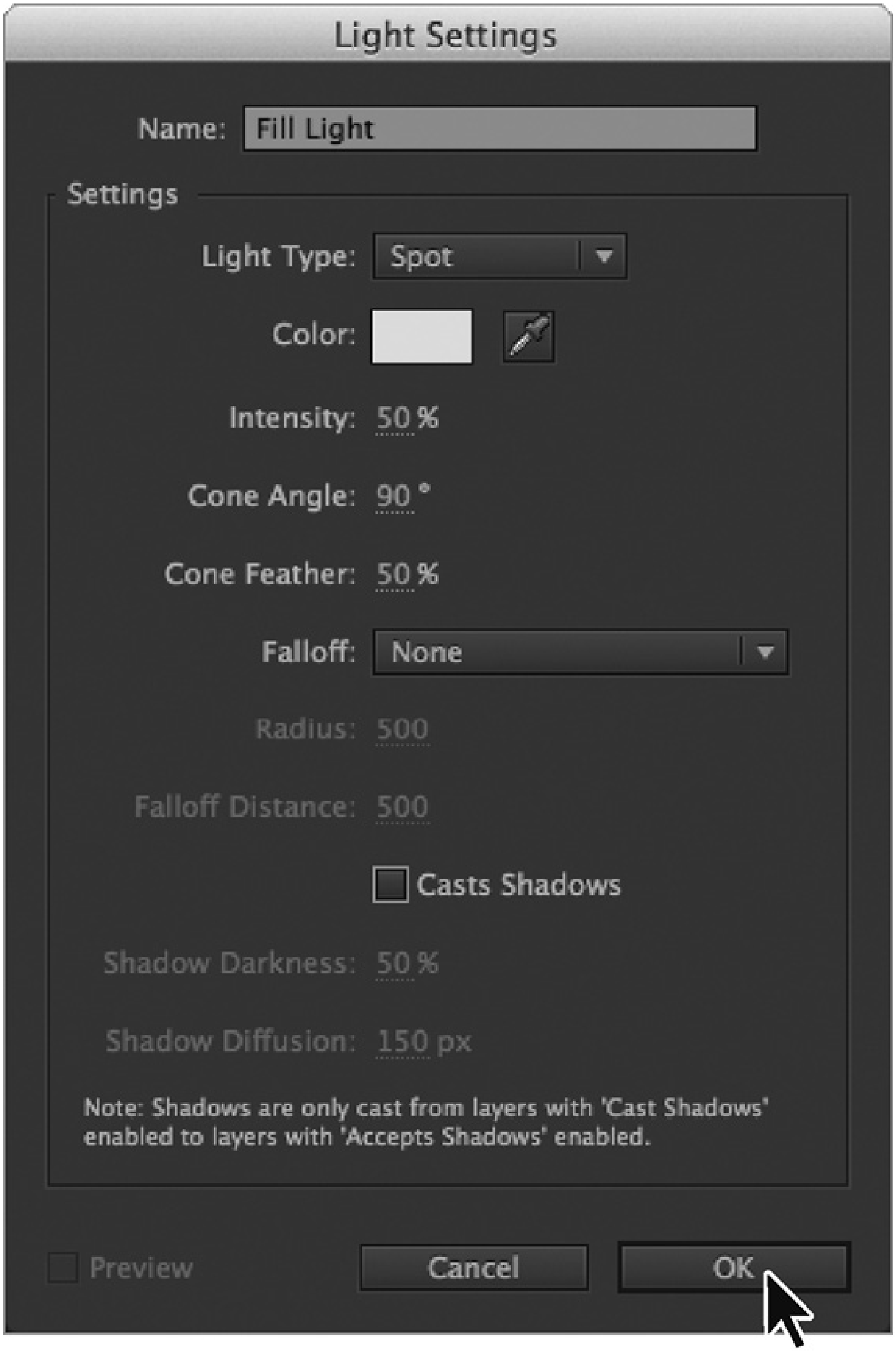
11.5.3 □□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Layer>New>Light□□□

2. □Light Settings□□□□□□□□□□

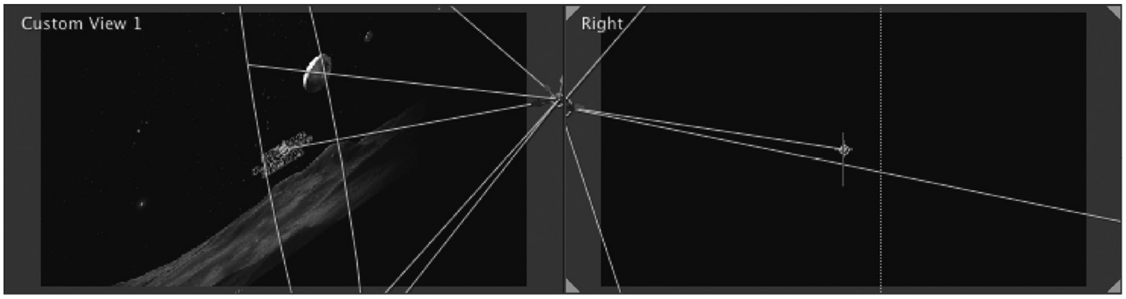
- □□□□□□Fill Light□
- □Light Type□□□□□□□Spot□
- □Color□□□□□□□R=205□G=238□B=251□□
- □□Intensity□□□□□50%□Cone Angle□90°□
- □□Cone Feather□□□50%□
- □□□□Casts Shadows□
- □□OK□□□□□□□□□□11.15□□□



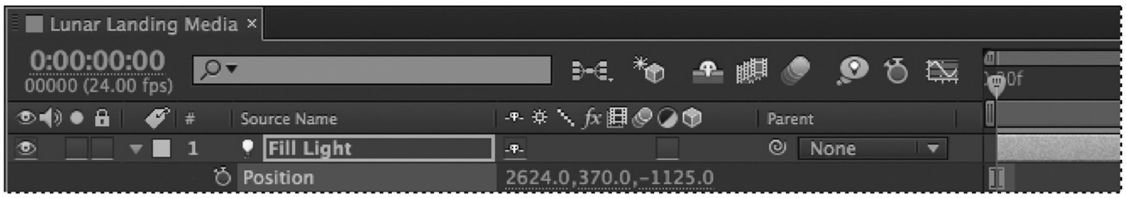
□11.15

3. □Timeline□□□□□□Fill Light□□□□P□□□Position□□□

4. □Position□□□□2624□370□−1125□□□□11.16□□11.17□□□



□11.16



□11.17

□□□□□□□□□□□□□□□□□□□□

5. □□□□□□□□□□□□

6. □□File>Save□□□

11.5.4 □□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Material Options □□□□□□3D□□□□□□□□□□□□□□□□□

1. □Timeline□□□□□Lunar Landing Media□□□□□□□A□AA□□□□□□ Material Options□□□

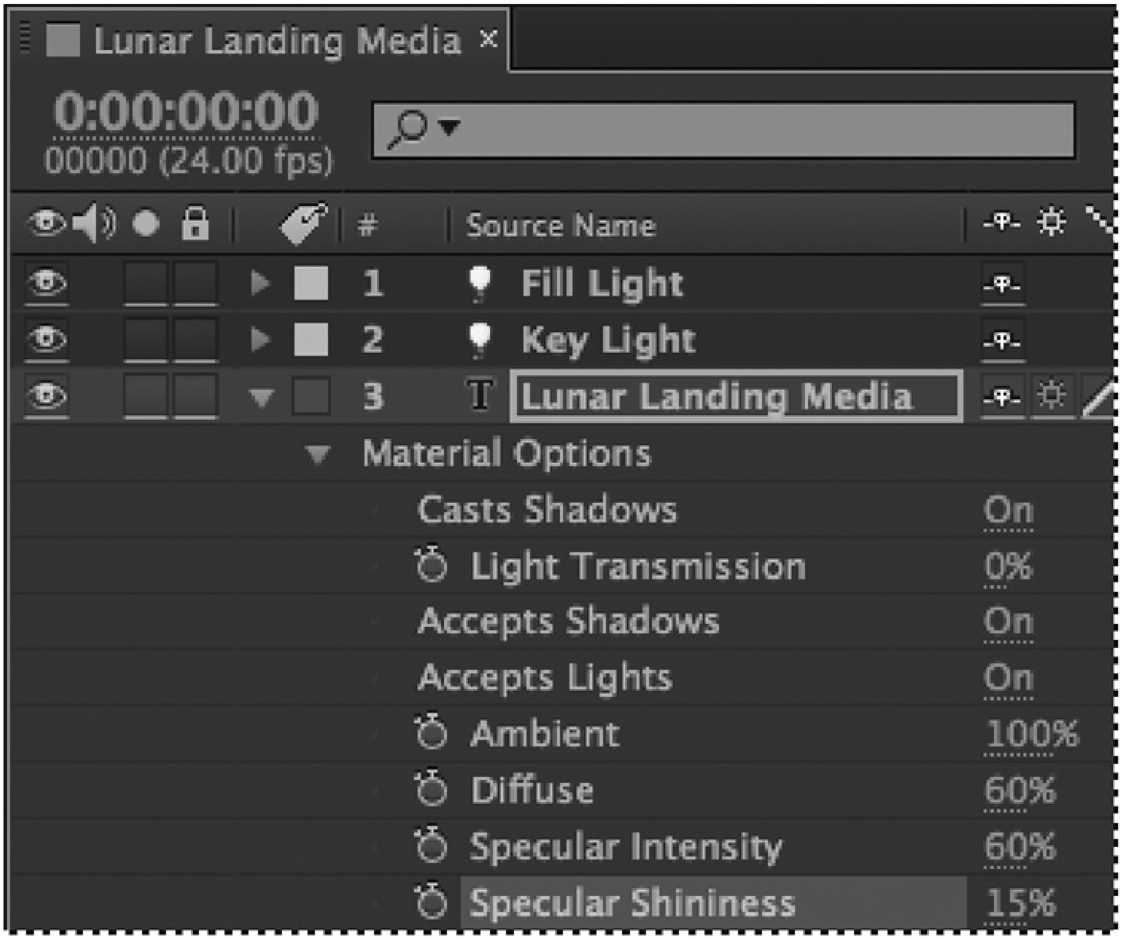
Material Options□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□□□□□□□□□

2. □□Casts Shadows□□□Off□□□□□on□□□□□□On□□□□Only□□

□□□□□□□□□□□□□□□□□□□□□□□

3. □Diffuse□□□□60%□□Specular Intensity□□□60%□□□□□□□□□□□□ □□□□□□□

4. □Specular Shininess□□□□15%□□□□□□□□□□□□□□□□□□□11.18□□□



□11.18

5. □□Lunar Landing Media□□□□□□

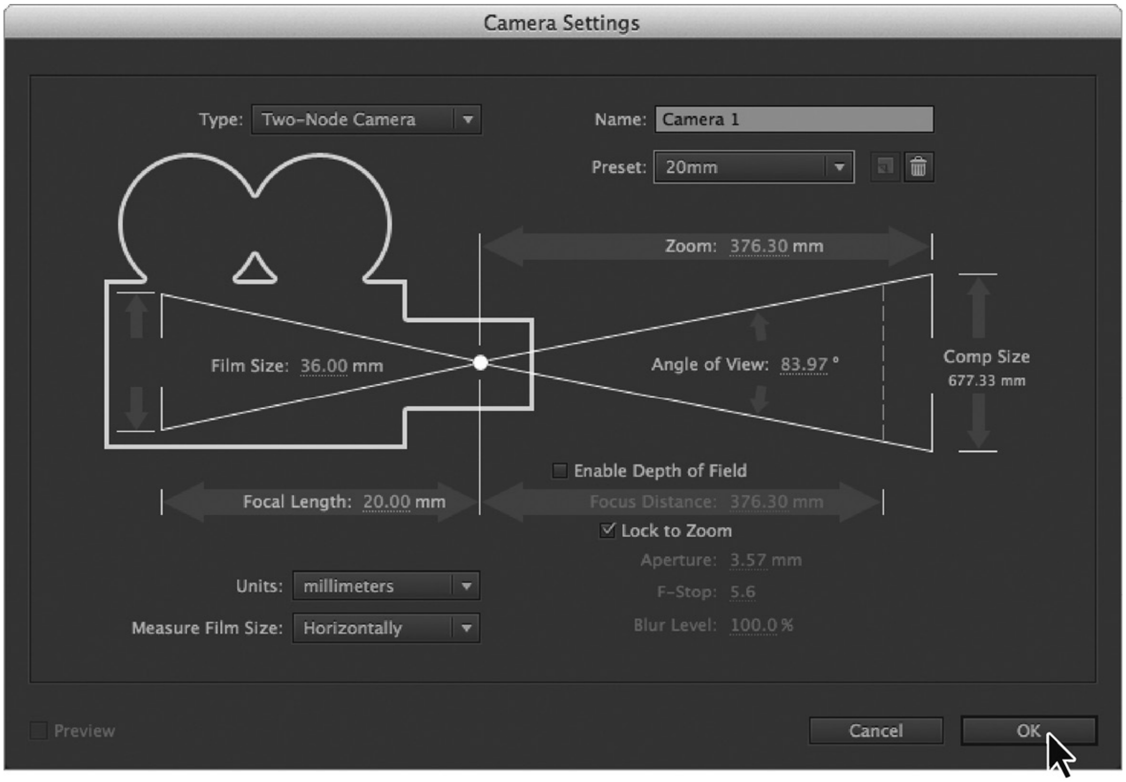
11.6 □□□□□

□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□□□□□□□3D□□□Active Camera□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Active Camera□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□Custom View 1□□□□□□□□□□□□Active Camera□□□

1. □□Layer>New>Camera□□□

2. □Camera Settings□□□□□□20mm□□□□□□OK□□□□11.19□□□

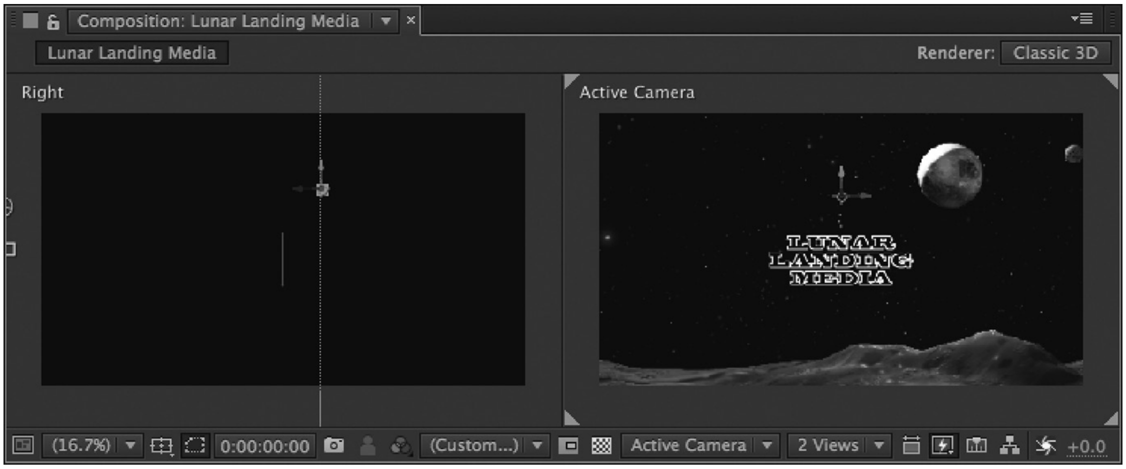


□11.19

Camera 1□□□□□Timeline□□□□□□□□□□□□□□□□□□□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□20mm□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Camera 1□□□□□□□□□□□□

3. □Composition□□□□Select View Layout□□□□□□2 Views–Horizontal□

□□□□□□Right□□□□□□□Active Camera□□□11.20□□□

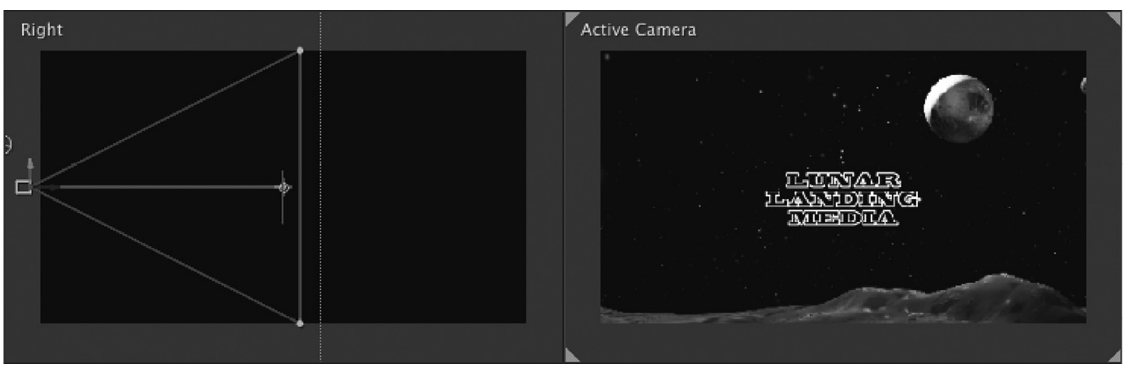


□11.20

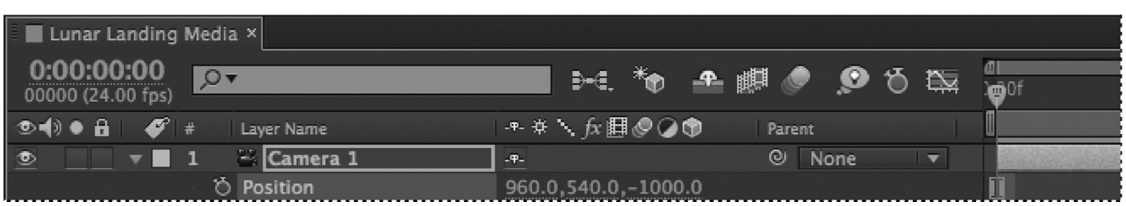
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□11.21



□11.22

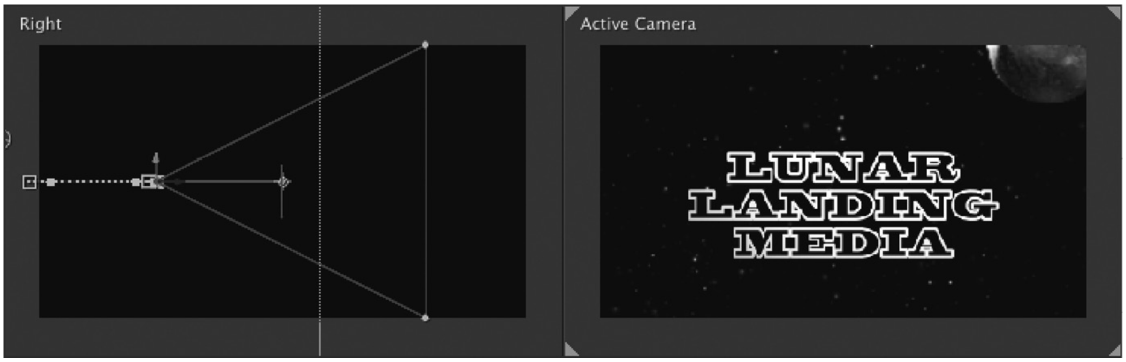
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6. □□1:00□□

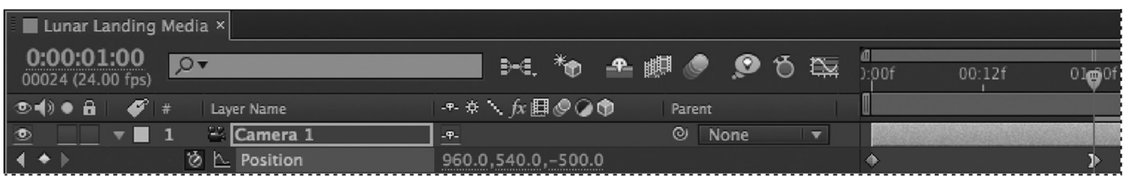
7. □z□□□□□−500□

□□□□□□□□□□

8. □□□□□Windows□□□□□Control□□□□□□Mac OS□□□□Position□□□□□□Keyframe Assistant>Easy Ease In□□□□□11.23□□□11.24□□□



□11.23



□11.24

9. □□□□□□□□1:00□□

10. □□Camera 1□□□Position□□□□□□□File>Save□□□

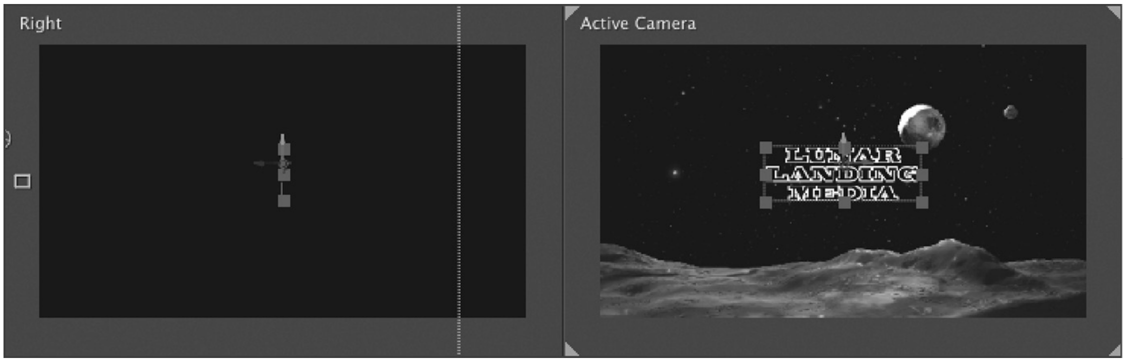
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□1:00□□□

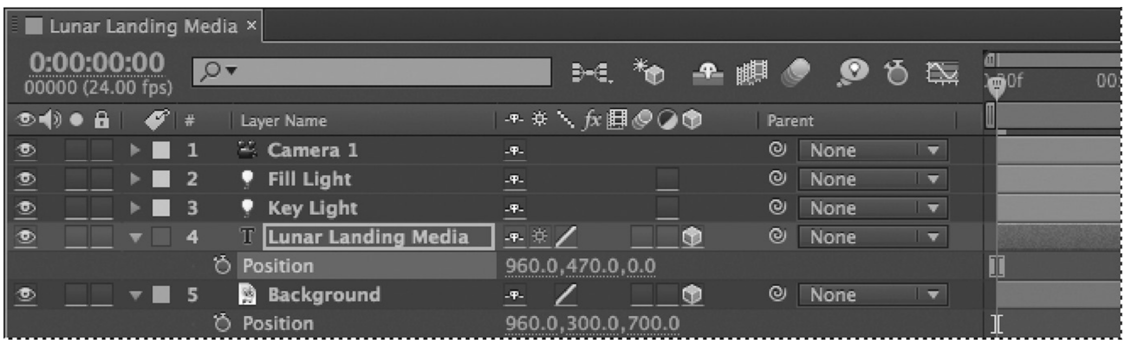
1. □Home□□□□□□□□□□□□□□□□□□□□□□□□□□

2. □Timeline□□□□□Background□□□□P□□□□Position□□□□□□Position□□□*z* □□□□□700□

3. □Timeline□□□□□Lunar Landing Media□□□□P□□□□Position□□□□□□Position□□□*y* □□□□□470□□□11.25□□11.26□□□



□11.25



□11.26

4. □□Background□□□Lunar Landing Media□□□Position□□□

5. □□Timeline□□□□□□□□□□□□□□□□□□

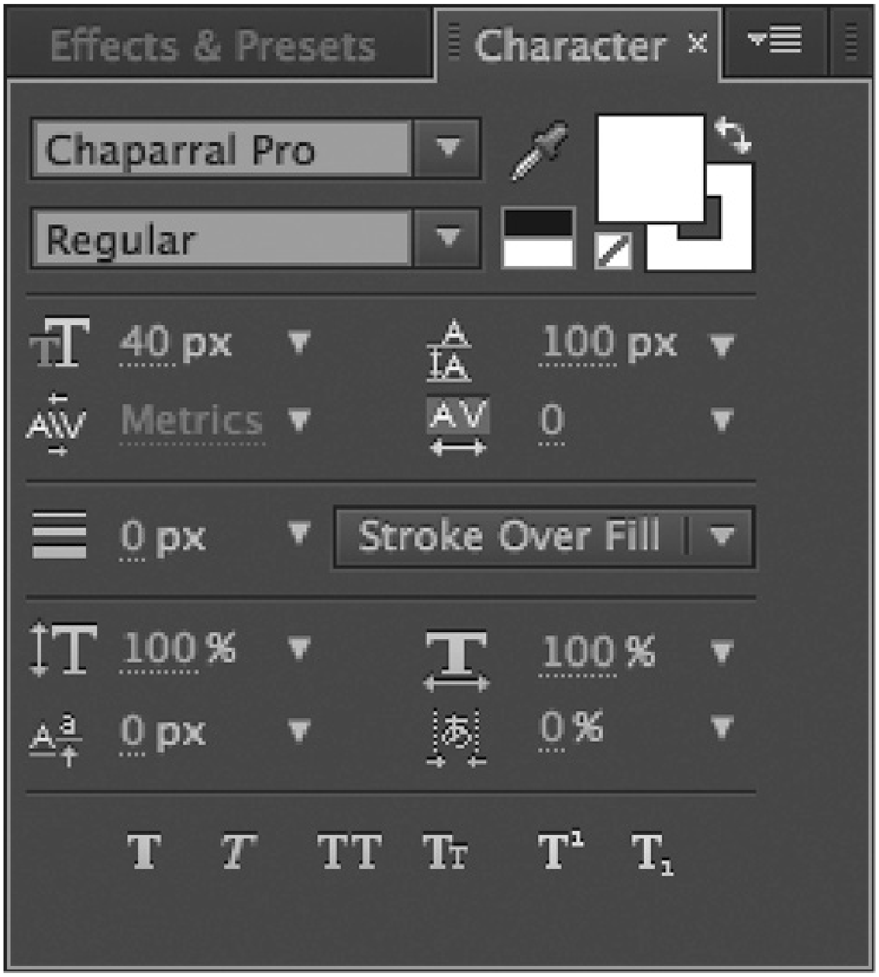
11.8 □□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□

1. □Tools□□□□□Horizontal Type□□□T□□□Character□□□□□□□□□□□

- □□□Chaparral Pro□
- □□□□□□□□
- □□□□□□□□
- □□□□□40□□□
- □□□100□□□
- □□□0%□

- □□□□□0□□□
- □□□□□□100%□□□11.27□□□



□11.27

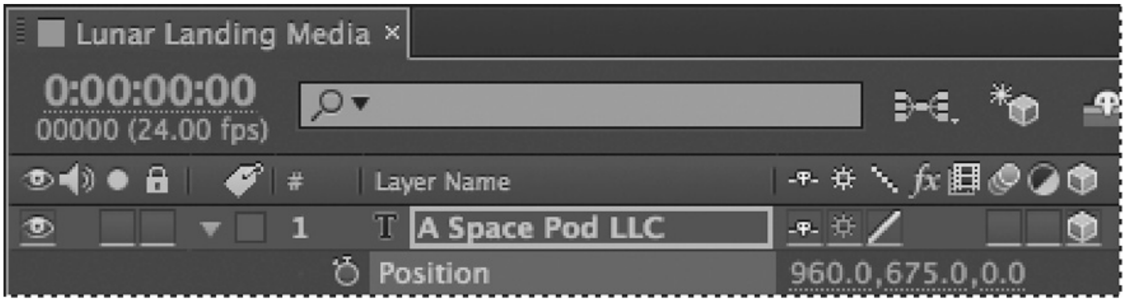
2. □□□□Character□□□□All Caps□

3. □Composition□□□□□□□□□□□□A Space Pod LLC□

4. □Tools□□□□□Selection□□□  □□

5. □□A Space Pod LLC□□□3D Layer□□□□□□3D□

6. □P□□□□□□Position□□□□□□Position□□□□□□960□675□0□□□□□□□□Lunar Landing Media□□□□P□□□Position□□□□□11.28□□11.29□□□



□11.28



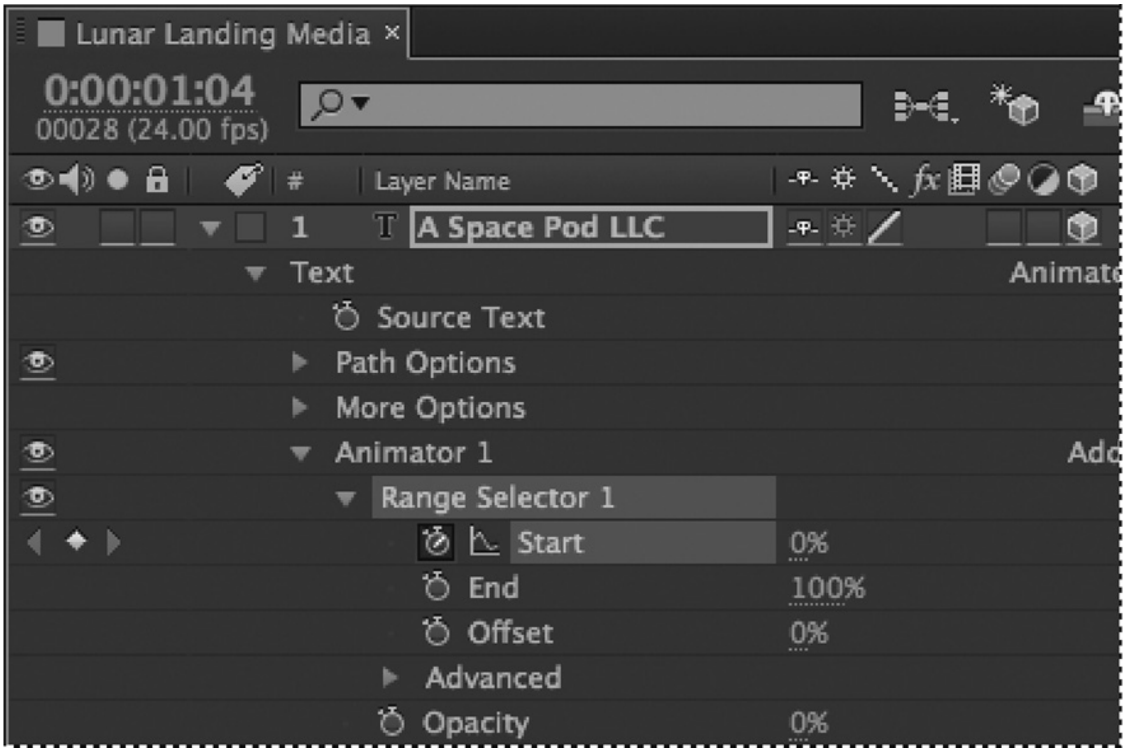
□11.29

> **□□□**
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> □□□□□□□□□□□□□□□□□□□□□□□□

7. □□□□□1:04□□□□A Space Pod LLC□□□□□Animate□□□□□□Opacity□

8. □Range Selector 1□□□□□□Opacity□□□0%□

9. □□Range Selector 1□□□Start□□0%□□□□□□□□□  □□□□□□□□□Start□□□□11.30□□11.31□□□



□11.30



□11.31

10. □□□□□□□1:12□□□Start□□□100%□

11. □□□□□□□□1:12□□□□□□□□□11.32□□11.34□□□



□11.32



□11.33



□11.34

12. □□□□□□□□□□□□□□File>Save□□□□□□□

11.9 □□Cinema 4D Lite

After Effects CC□□□Maxon Cinema 4D□□□□□□□□□□□□□□□□□□□□□3D□□□□□□□After Effects□□3D□□□

□□□□□Cinema 4D Lite□□□□□□□□□□□□□□□□□□□□After Effects□□□□

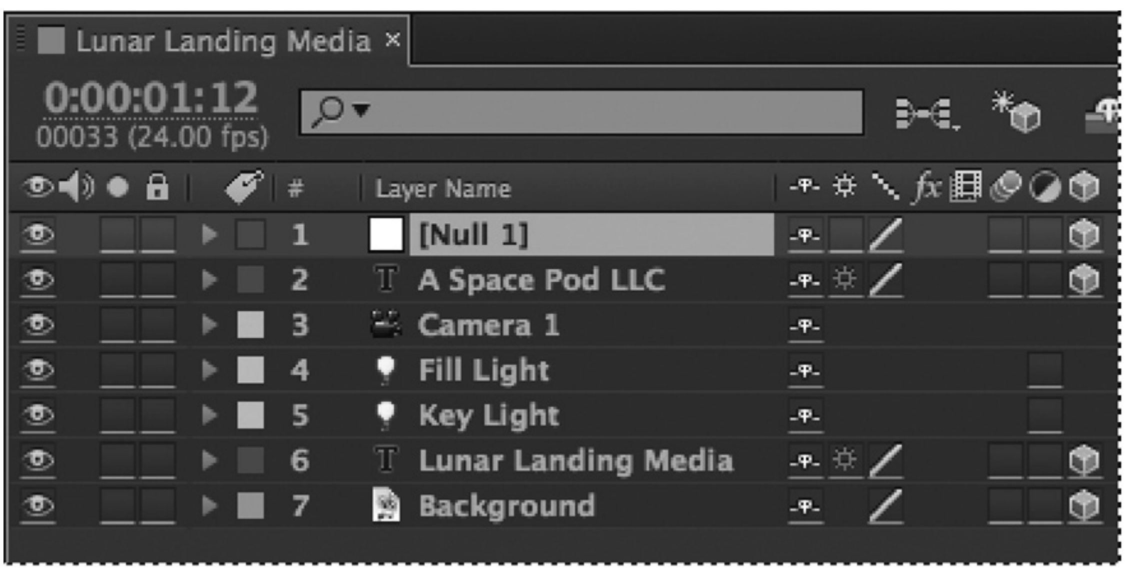
11.9.1 □□□□□□

After Effects□Cinema 4D□□□□□□□□□□□□□□□After Effects□□□0□0□0□□□□□□□□□□□□□□□Cinema 4D□□□Cinema 4D□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Timeline□□□□□□□Layer>New>Null Object□□□

□□□0□0□0□□

2. □Timeline□□□□□□Null 1□□□□□3D□□□ □□□□□□3D□□□□□11.35□□11.36□□□



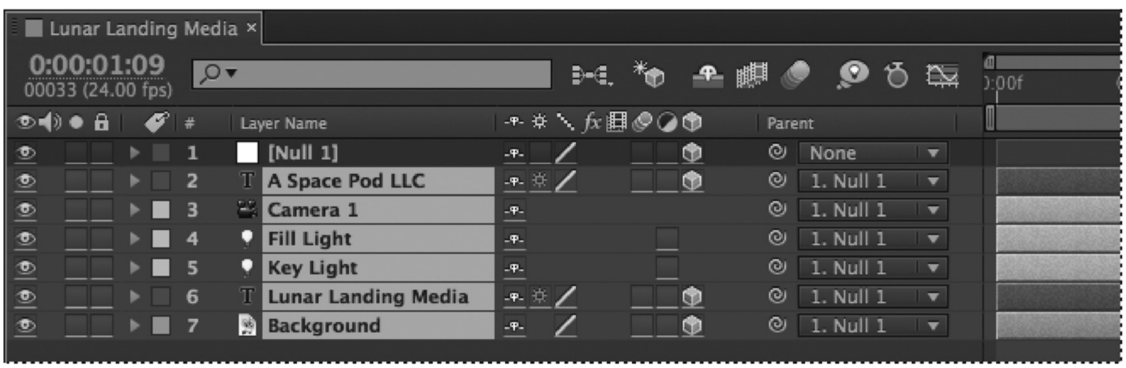
□11.35



□11.36

3. □□A Space Pod LLC□□□□□□□Shift□□□□□Background□□□□□□□Null 1□□□□□□□□□

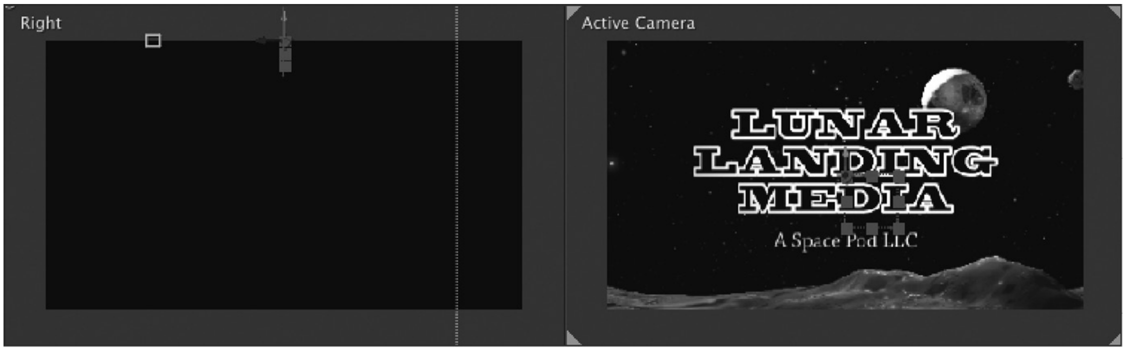
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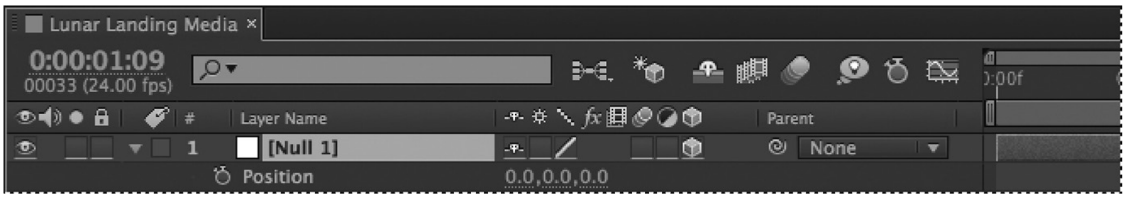
□11.37

□□Null 1□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

5. □□Null 1□□□□P□□□Position□□□□□□*x*□□*y*□□□0□□□11.38□□11.39□□□



□11.38



□11.39

□Composition□□□□Active Camera□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□

6. □□File>Save□□□

7. □Project□□□□□Lunar Landing Media□□□□□□□□□
File>Export>Maxon Cinema 4D Exporter□□□

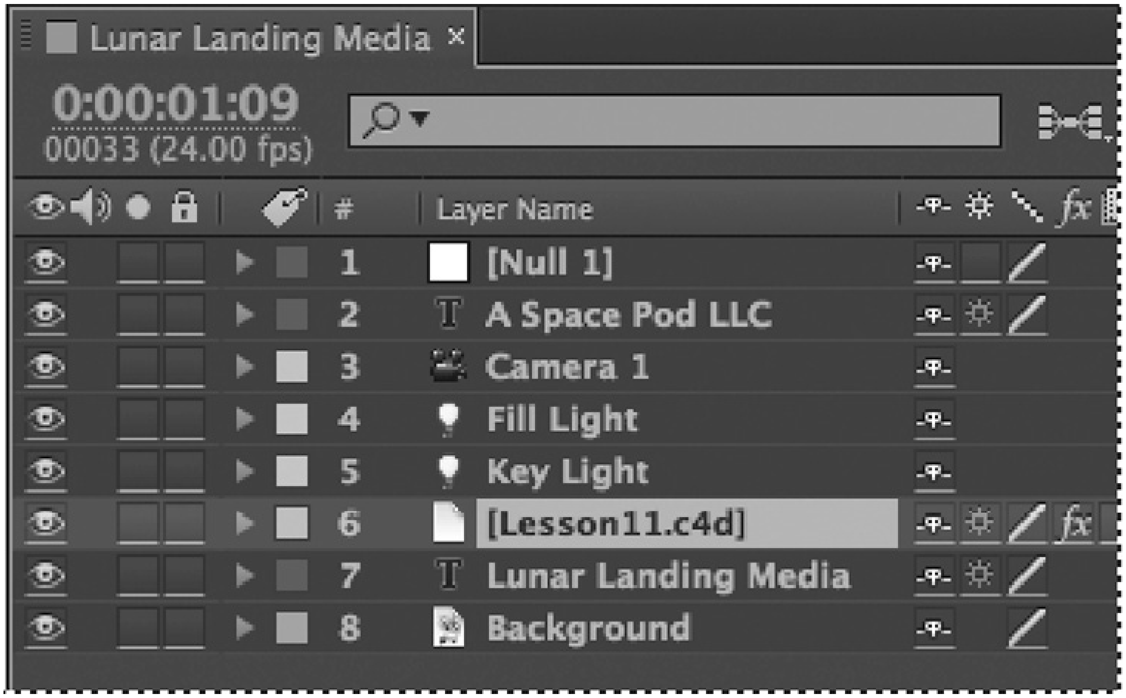
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Save□□□□□□□

Cinema 4D□□□□□□□□□□□□□□□□After Effects□□□□□□Cinema 4D□□
□□□□□□□□□□□□□□.c4d□□□After Effects□□□□□□□□After Effects□□□□

9. □□File>Import>File□□□□□□□□□Lesson11.c4d□□□□□Import□
Open□□□

10. □Lesson11.c4d□□□Project□□□□Timeline□□□□□□□□Lunar
LandingMedia□Key Light□□□□□

□□□.c4d□□□□□Timeline□□□□After Effects□□□□Cineware□□□
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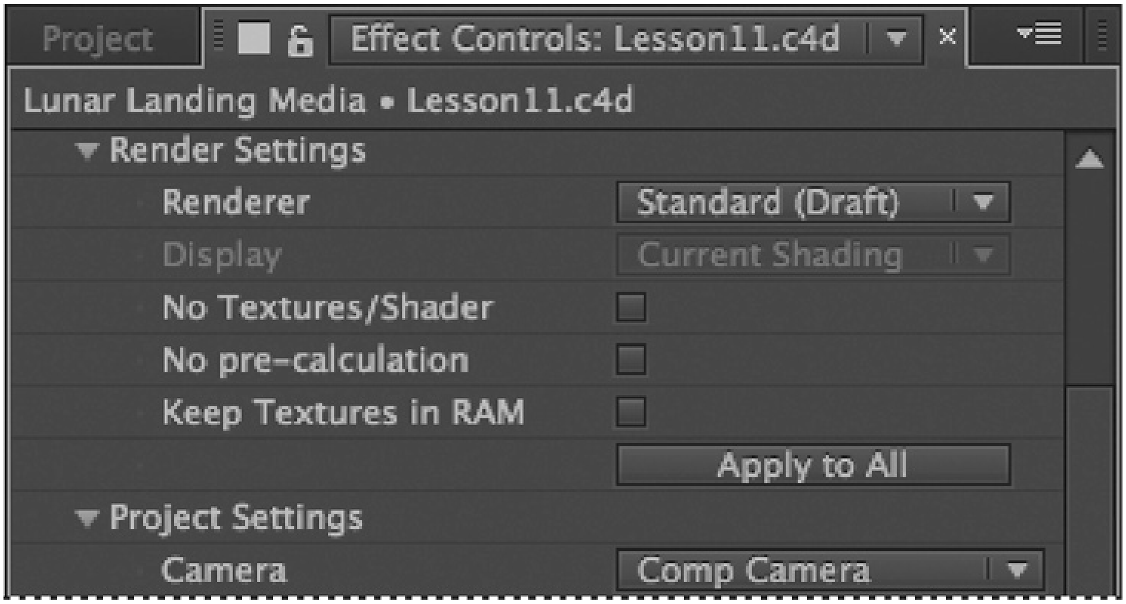


□11.40

□□□□After Effects□□□Cinema 4D□□□□□□□□□□□Cineware□□□Renderer□□□□□Software□Standard□Draft□□□□□□□□□□□□□□□□□Renderer□□□□□Standard□Final□□

11. □Effects Controls□□□□Cineware□□□□□Renderer□□□□□Standard□Draft□□

Software□□□□□□□□□□□□□□□Standard□Draft□□□□□□□□□□□□□Cinema 4D□□□11.41□□□



□11.41

12. □Effects Controls□□□□□Camera□□□□□Comp Camera□

Comp Camera□□□□□□□□□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□Cineware□□□□□□□Cinema 4D□□□□3D□□□

11.9.2 □Cinema 4D□□□3D□□

After Effects□□□□□□□□□□Cinema 4D□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Cinema 4D□□□□□□□□□Cinema 4D Lite□□□□□□□□□□□□□□

1. □Project□□□□□□Lesson11.c4d□□□□□□□Edit>Edit Original□□□

> □□□
>
> □□□□Cinema 4D Lite□□□□□□□□□□□□□□□□□□□□

□Cinema 4D Lite□□□Lesson11.c4d□□□□□11.42□□□



□11.42

A□□□□□□□□　　B□□□□　　C□□□□□□□□　　D□□□□□□　　E□□□□□□　　F□□□□　　G□□□□□□　　H□□□□□□

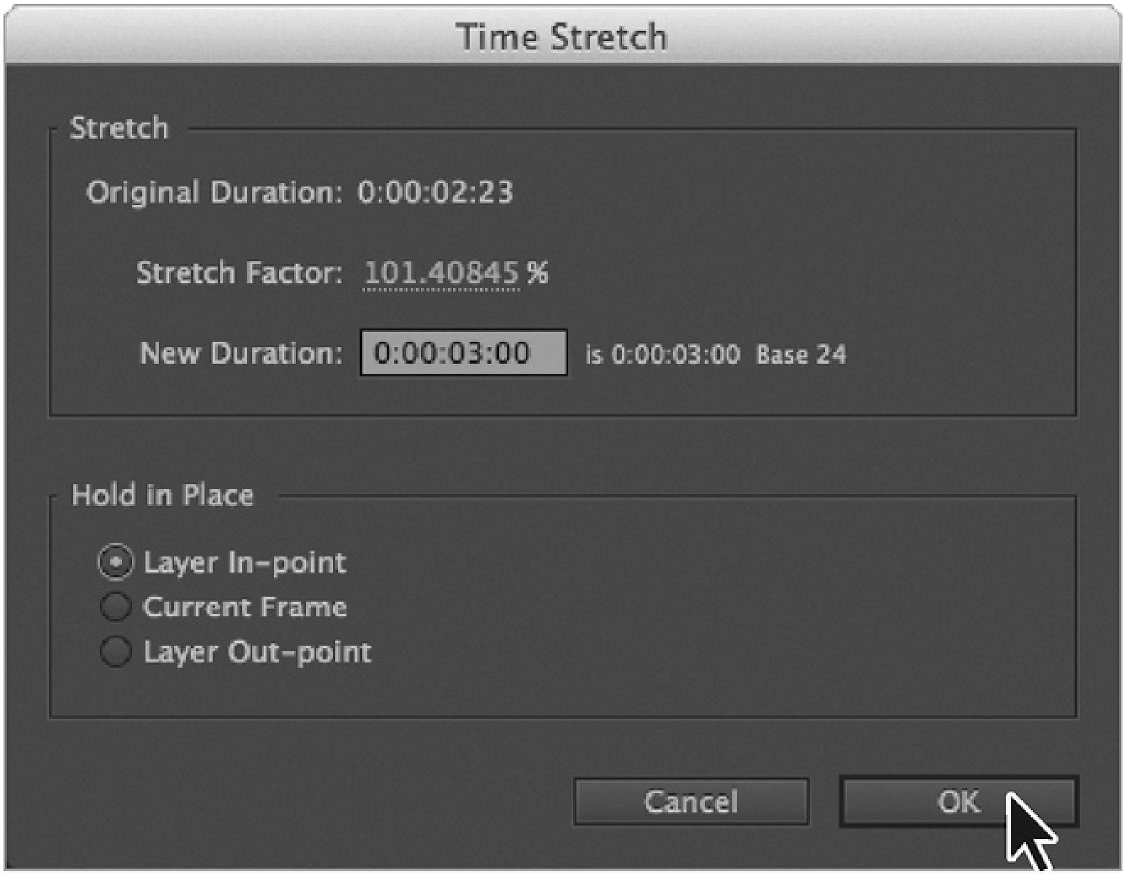
2. □Cinema 4D□□□□□□□□□□□□72□□□□11.43□□□



□11.43

3. □□After Effects□□□□□□□□□□□□Control□□□□□Timeline□□□□Lesson11.c4d□□□□□Time>Time Stretch□□□

4. □New Duration□□□3:00□□□Time Stretch□□□□□Hold In Place□□□□□Layer In-Point□□□□□OK□□□□□11.44□□□

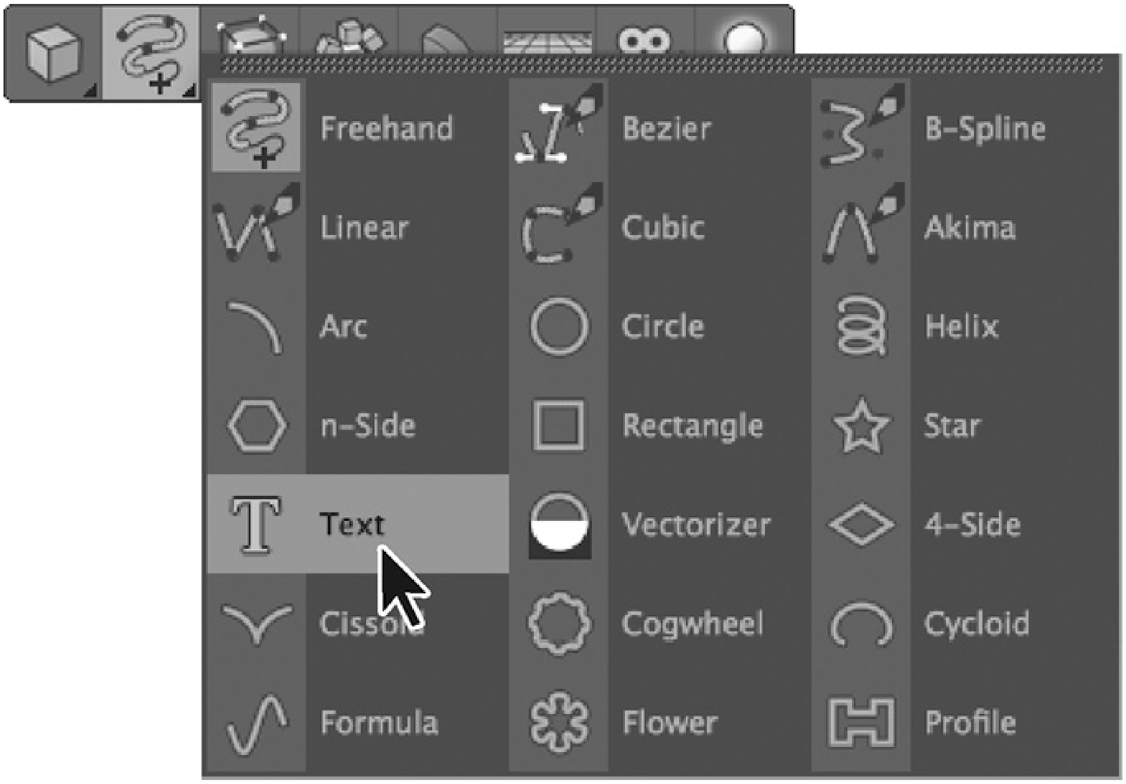


□11.44

5. □After Effects□□□□File>Save□□□

6. □□□Cinema 4D Lite□

7. □Tools Icon Palette□□□□□□□□□□□□□□□□Freehand□□□ □□□□□□□□□□□□□□□□□Text□□□ □□□□11.45□□11.46□□□


Freehand
Bezier
B-Spline
Linear
Cubic
Akima
Arc
Circle
Helix
n-Side
Rectangle
Star
Text
Vectorizer
4-Side
Cissoid
Cogwheel
Cycloid
Formula
Flower
Profile

□11.45


Perspective
Text

□11.46

[illegible]

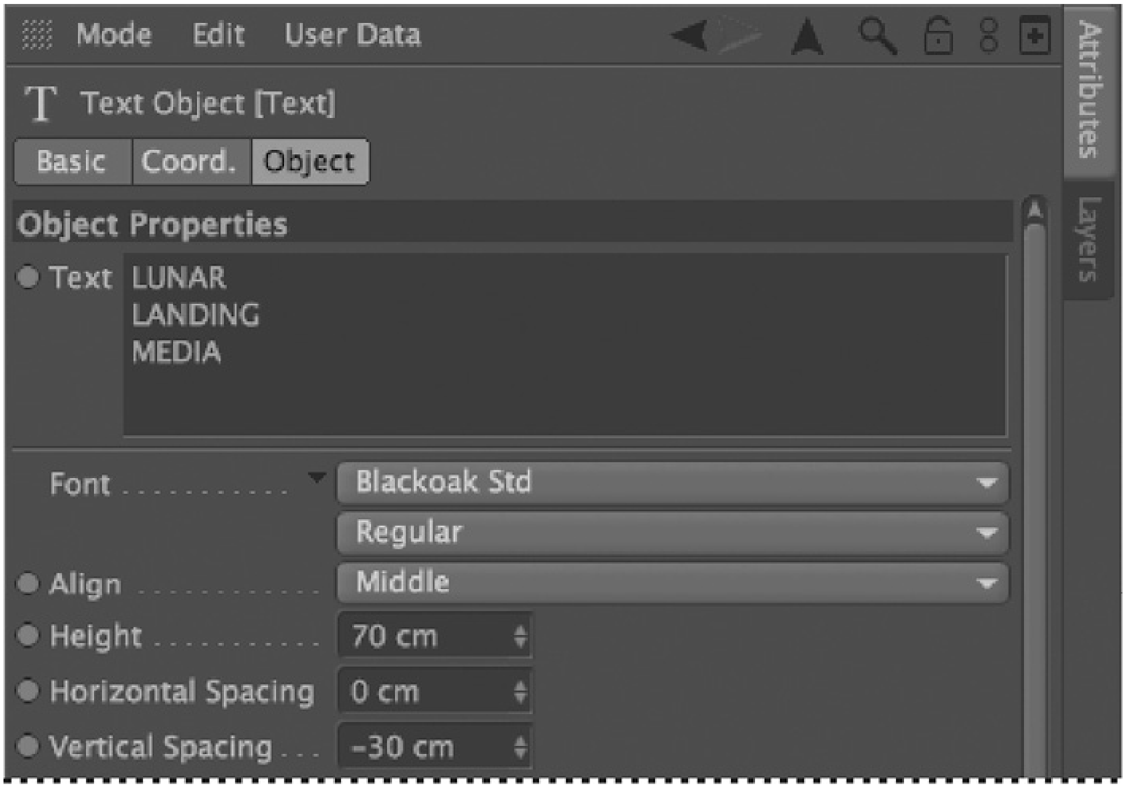
8. □Attribute Manager□□□□□□□□□LUNAR LANDING MEDIA□□□□□□□□□□

9. □Attribute Manager□□□□□□□□□□□□□□□

- □□□Blackoak St□
- □□□70cm□
- □□□□□−30cm□□□11.47□□11.48□□□



□11.47



□11.48

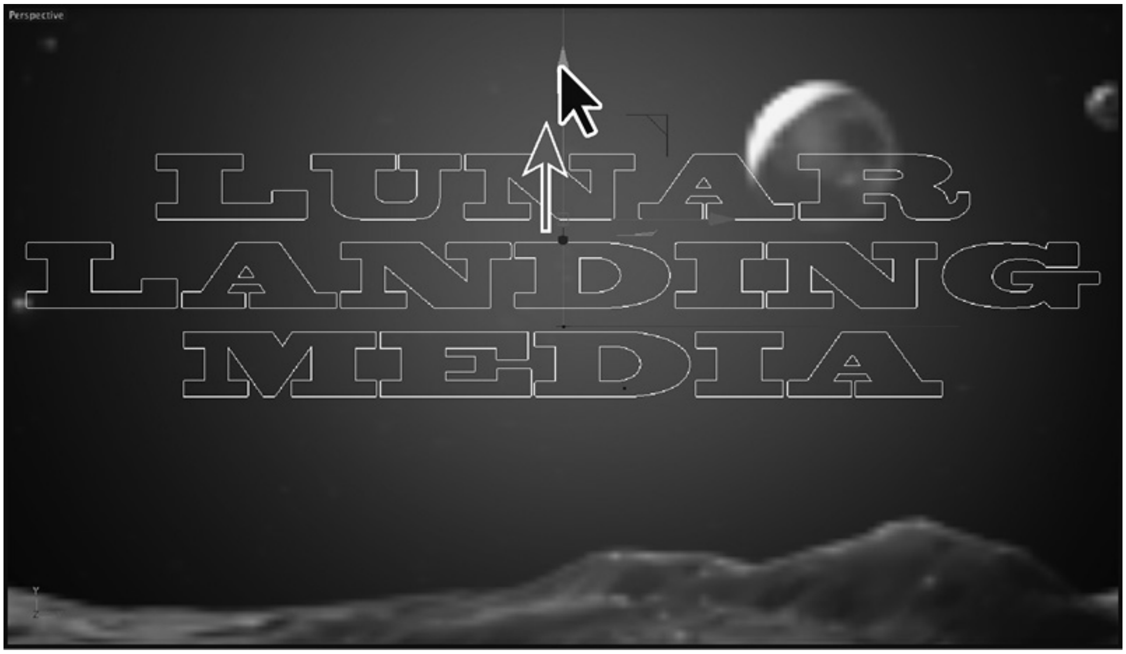
10. □Timeline□□□□□□□□24□1:00□□□□□□□11.49□□□



□11.49

□□□□□□□□□After Effects□□□□□□Viewport□□3D□□□After Effects□Composition□□□□□□□

11. □□*y* □□11.50□□□

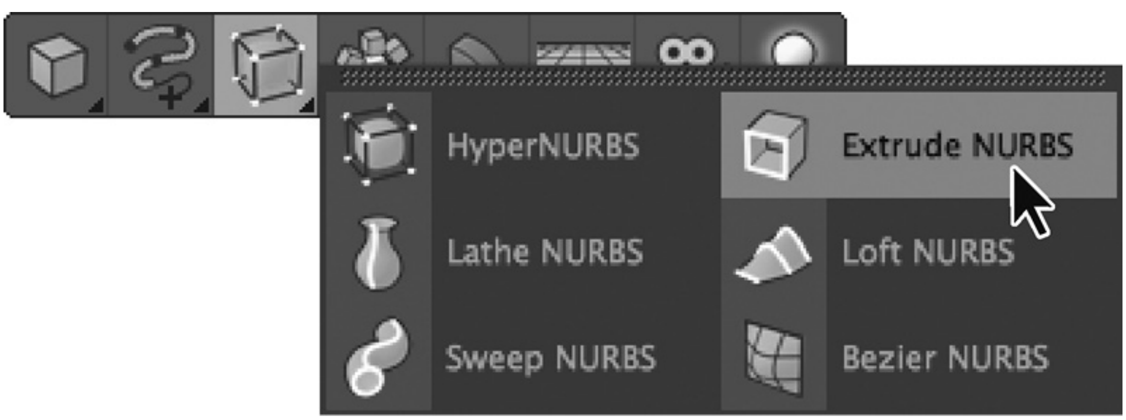


□11.50

□□□

□□□□□□*y* □□□□□□□Move□□□

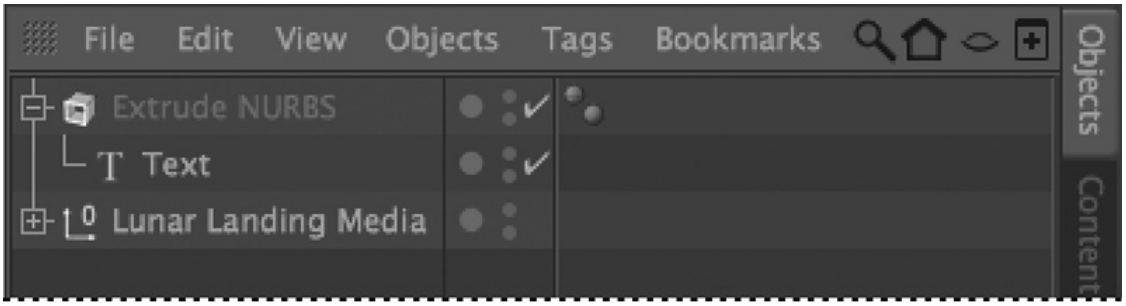
12. □Tools Icons Palette□□□□□□□HyperNURBS□□□ □□□□□□□□□□□□□□□□□Extrude NURBS□ □□□□11.51□□□



□11.51

13. □Object Manager□□□□Text□□□□□□□□□□Extrude NURBS□□□□□□□Extrude NURBS□□Text□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□

□□□□□□11.52□□11.53□□□



□11.52



□11.53

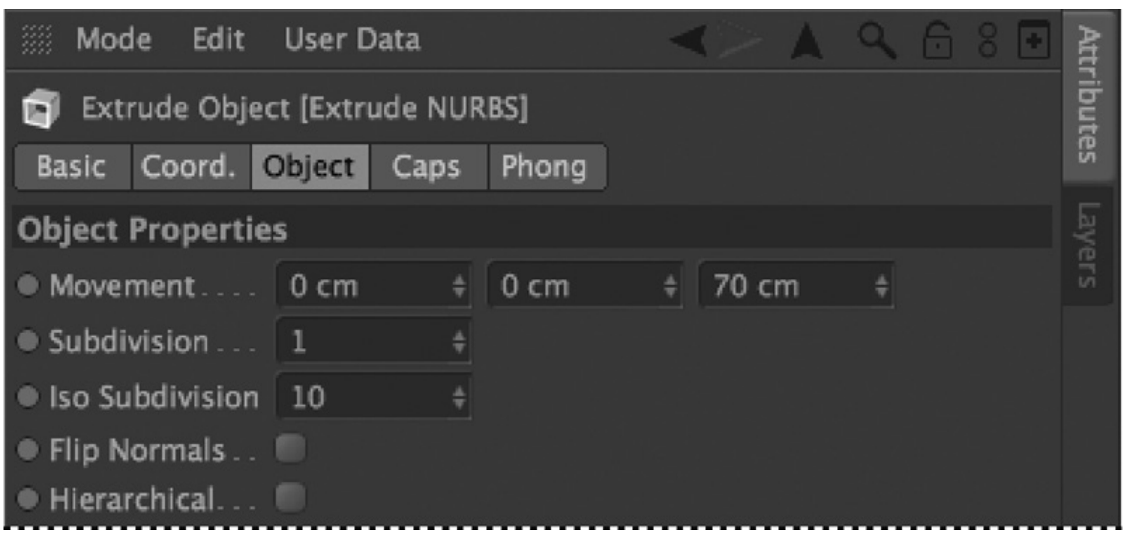
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14. □Object Manager□□□Extrude NURBS□□□□□□□□□□□□□□□11.54□□□



□11.54

15. □Attribute Manager□□□□Object□□□□□□*z* □Movement□□□ 70cm□□□11.55□□□



□11.55

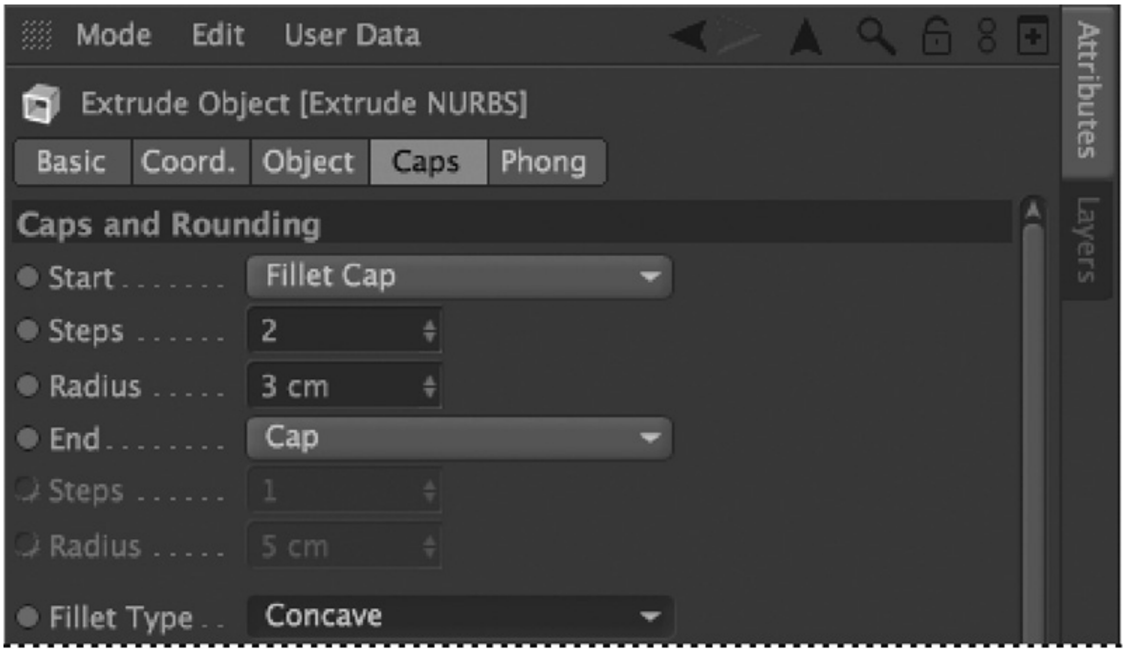
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

16. □Attribute Manager□□□□Caps□□□□□□□□□

- □Start□□□□Fillet Cap□

- □Steps□□□□2□
- □Radius□□□□3cm□
- □Fillet Type□□□□□Concave□

□□□□□□□□□□□□□□□□□□□□□□□11.56□□11.57□□□



□11.56



□11.57

11.9.3 □□□□□□

Cinema 4D Lite□□□□□□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□

1. □Materials Manager□□□□Create□□□□□□Load Material Preset>Lite>Materials> Metal> Metal-Stainless Steel Brushed Radial□□□

2. □Materials Manager□□□□□□□□Metal□□□□□□Viewport□□□□□□□11.58□□□



□11.58

3. □□File>Save□□□

11.9.4 □After Effects□□□□□

□□□□□□□□□Cinema 4D Lite□□□□□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□After Effects□

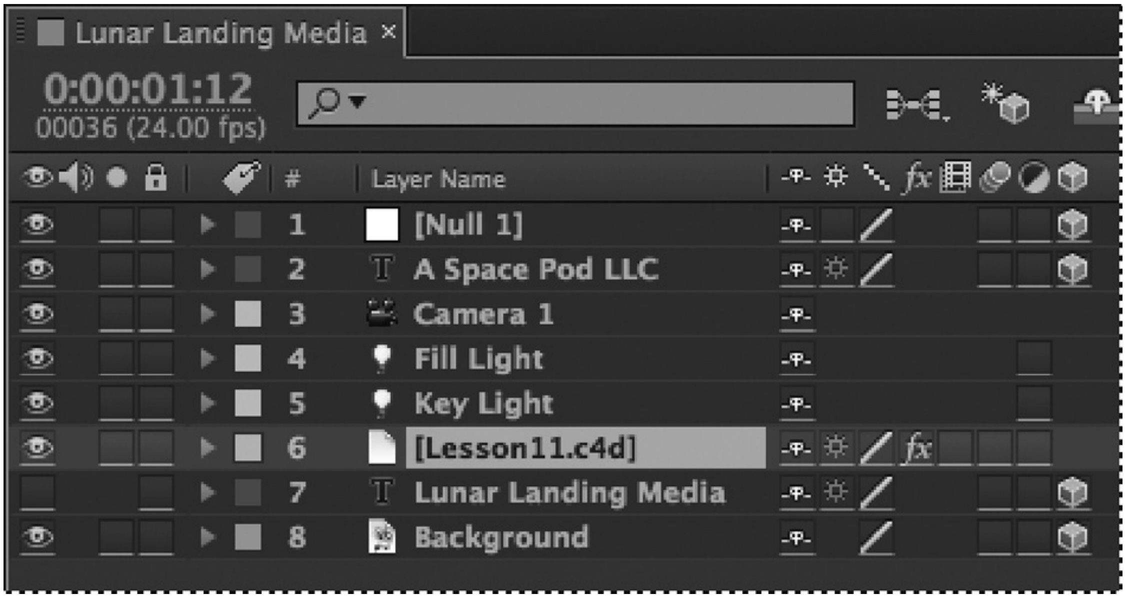
□□After Effects□Cinema 4D□□□□□Composition□□□Active Camera□□□□

2. □Composition□□□□□Select View Layout□□□□□□□1 View□□□□□□□□□□3D View□□□□□□□Active Camera□

3. □Timeline□□□□□□□□Lunar Landing Media□□□□□Video□□□□□□□□□□□□11.59□□11.60□□□



□11.59



□11.60

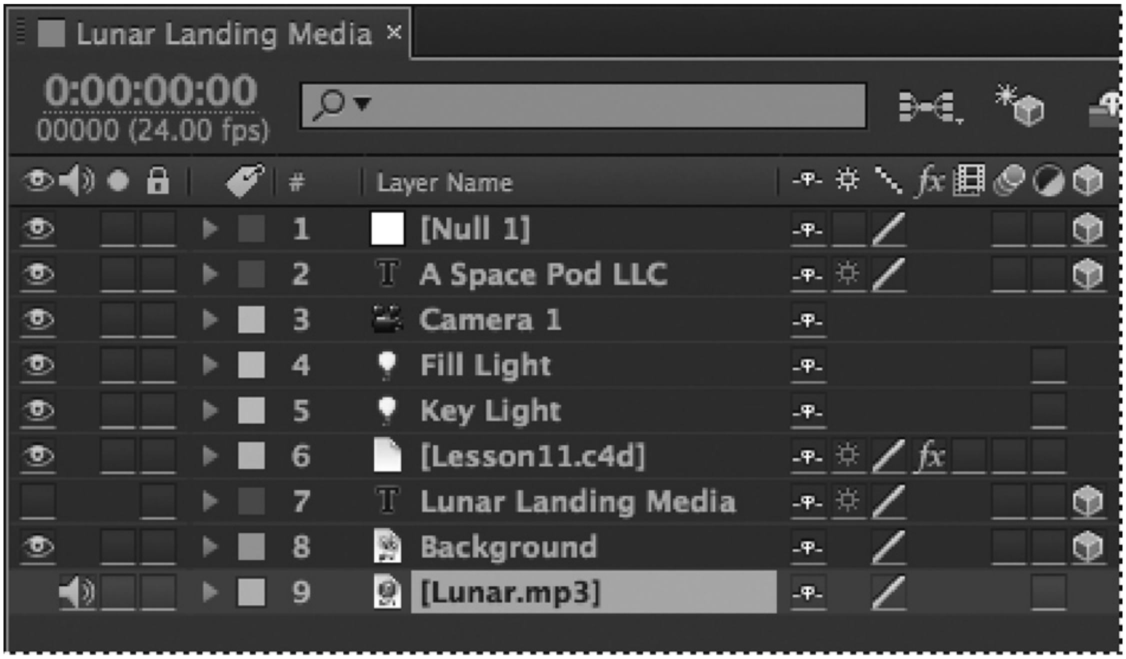
□□□□□□□□□Cinema 4D Lite□□□□3D□□□□□□□□□□□□□□□□□□□

4. □□□□□Cinema 4D□□□□□□□□□□□□□Cinema 4D Lite□□□□□□□□File>Save□□□□□□□□□After Effects□

□□□□□After Effects□Cinema 4D□□□□□□□

5. □□Project□□□□□□□□□□□□□Lesson11/Assets□□□□□□Lunar.mp3□□□□□

6. □Project□□□□□Lunar.mp3□□□□Timeline□□□□□□□□□□□□11.61□□□



□11.61

7. □□File>Save□□□

8. □□□□□□□□□□□□□RAM Preview□□□□□□□□□□□□□□RAM Preview□□□Timeline□□□Lesson11.c4d□□□□□□□□Effects□□□CINEWARE□□□□□Effect Controls□□□□□No Pre-calculation□Keep Textures In RAM□□□11.62□□11.64□□□



□11.62



□11.63



□11.64

□□□□□□□

9. □Project□□□□□□Lunar Landing Media□□□□□□□□□Composition>Add To Render Queue□□□

10. □Render Queue□□□□□□Best Settings□□Render Settings□□□□□□□Resolution□□□□□Half□□□□□□□□□□□□□□□Quarter□□Third□□□□OK□□□

11. □□Output To□□□□□□□□□□□Lesson11/Finished_Project□□□□□□□□Save□□□

12. □□Render Queue□□□□Render□

13. [illegible]QuickTime[illegible]After Effects[illegible]3D[illegible]Adobe After Effects[illegible]Maxon Cinema 4D Lite[illegible]

[illegible]

[illegible]**3D**[illegible]

[illegible]3D Renderer[illegible]After Effects[illegible]3D[illegible]

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- [illegible]Blackoak Std[illegible]
- [illegible]
- [illegible]
- [illegible]70[illegible]
- [illegible]70[illegible]
- [illegible]20[illegible]
- [illegible]65%[illegible]
- [illegible]

3. [illegible]Paragraph[illegible]Center Text[illegible]Composition[illegible]Lunar Landing Media[illegible]

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5. [illegible]Timeline[illegible]Extruded Text[illegible]Composition>Composition Settings[illegible]

6. □Composition Settings□□□□□□□Advanced□□□□Renderer□□□□□□□□□3D□□□□□□□□□□□OK□□□□□OK□□□□□Composition Settings□□□□

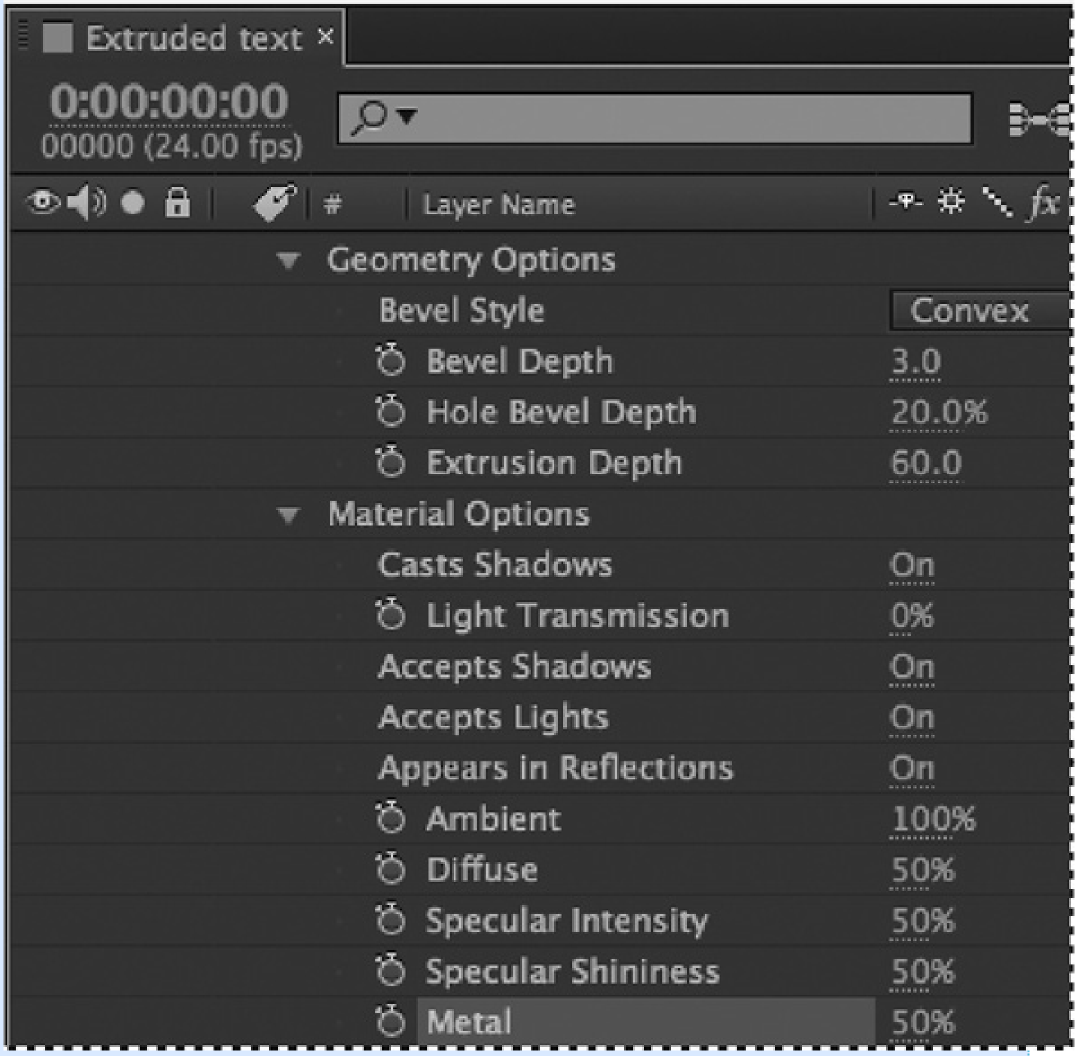
□□□□□□3D Renderer□□□□□□□□□□□□□

7. □□□□□□□□□□Lunar Landing Media□□□3D Layer□□□

8. □□Ctrl□□□□□□Windows□□□□□□Command□□□□□□Mac OS□Lunar Landing Media□□Label □□□□□□□□□□□□□□□□

9. □Geometry Options□□□Bevel Style□□□□Convex□□Bevel Depth□□3□Hole Bevel Depth□□20%□Extrusion Depth□□60□

10. □Material Options□□□□Casts Shadows□□□□□□□Specular Shininess□□50%□□Metal□□50%□□□□□□□□□□□□□□□□□□□□□□□□□11.65□□□



□11.65

□□□□□□□□□□□□□□□□□□□□3D□□□Hole Depth Extrusion□□3D□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

11. □□Layer>New>Light□□□□Light Settings□□□□□□□□□□□□□

- □□□□□□Spotlight□
- □Light Type□□□□□□□Spot□
- □Color□□□□□□□R=241□G=235□B=197□□
- □□Casts Shadows□
- □Shadow Diffusion□□25□□□

- □□OK□□□□□□□□□

12. □Timeline□□□□□□Spotlight□□□□□□Transform□□□□□□Point Of Interest□□□□□528□238□−148□□Position□□□□136□184□−300□□

13. □□Layer>New>Light□□Light Settings□□□□□□□□□□□□

- □□□□□□Fill Light□
- □Light Type□□□□□□□Point□
- □Color□□□□□□□R=200□G=184□B=217□□
- □Intensity□□□100%□
- □□□□□□□□□□□□□
- □□OK□□□□□□□□□

14. □□Timeline□□□□Fill Light□□□□□□P□□□□□□Position□□□□58□130□−350□□

□□□□□□□□□□□□□□□□

15. □□Project□□□□□□□□□□Space_Landscape.jpg□□□

16. □Space_Landscape.jpg□□□Project□□□□Timeline□□□□□□□Transform□□□□□□Position□□□□459□96□□□□□□□35%□□□11.66□□□



□11.66

11.10 [illegible]

11.10.1 [illegible]

1. [illegible]3D Layer[illegible]

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3. [illegible]

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4. [illegible]After Effects[illegible]4[illegible]——Parallel[illegible]Spot[illegible]Point[illegible]Ambient——[illegible]

□12□　□□3D Camera Tracker

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- □□3D□□□□□□□□
- □□□□□□□□□□□□□□□□□□□
- □□□□□□□□
- □3D□□□□□□□□□□
- □□□□□□□□□□□□□
- □□□□□□□□□□□□□□□□□□□
- □DSLR□□□□□□□□□□□□

🕗 □□□□□□□1□□□□□□□□□□□After Effects□□□□□□□□□□□Lesson12□□□□□□□□□□□□□□□□□□□□Lessons□□□□□□Lessons□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□



> 3D Camera Tracker□□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□□3D□□□□□□□□□

12.1 □□3D Camera Tracker□□

3D Camera Tracker□□□□□□□2D□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□After Effects□□□□□3D□□□□□□□□□□3D□□□□□□□□□□2D□□□□□3D□□□□□□□□□□□□□□□□□□□□□□□□□3D□□□

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3D□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

12.2 □□

□□3D Camera Tracker□□□□□□□□□□□3D□□□

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1. □□□□□□□□□□□□□□□□□AECC_CIB/Lessons/Lesson12□□□□□

- Assets□□□□DesktopC.mov□Treasures_Music.aif□Teasures_Title.psd□
- Sample_Movie□□□□Lesson12.mov□

2. □□□□□□Lesson12.mov□□□□□□□□□□□□□□□□□□□□□□QuickTime Player□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□□□“□□□□□□”□

3. □□After Effects□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□OK□□□□□□□□□□□Close□□□□Welcome□□□

After Effects□□□□□□□□□□□□□□□□

4. □□File>Save As>Save As□□□

5. □Save As□□□□□□□□
AECC_CIB/Lessons/Lesson12/Finished_Project□□□□

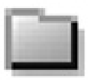
6. □□□□□□□Lesson12_Finished.aep□□□□□Save□□□

12.2.1 □□□□

□□□□□□3□□□□

1. □□File>Import>File□□□

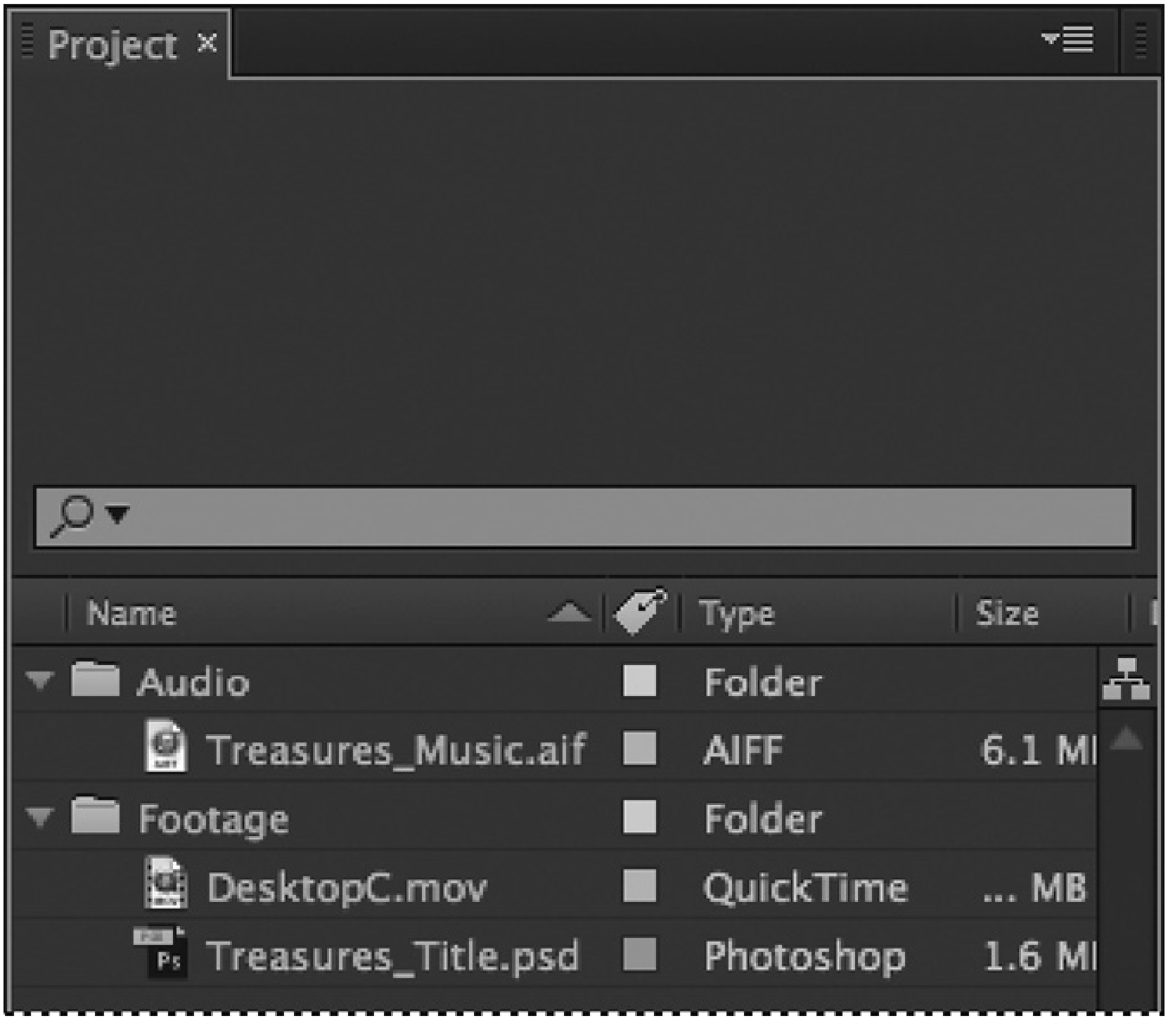
2. □□□AECC_CIB\Lessons\Lesson12\Assets□□□□□□Shift□□□□□□
□DesktopC.mov□Treasures_Music.aif□Teasures_Title.psd□□□□□□□
Import□□Open□□□

3. □□File>New>New Folder□□□□□□□Project□□□□□Create A
New Folder□ □□□□□□□□□□□□□□□□□□

4. □□Footage□□□□□□□□Enter□□Return□□□□□□□□□□
DesktopC.mov□□□Teasures_Title.psd□□□□□Footage□□□□□

5. □□□□□□□□□□□□□□□□Audio□□□□Treasures_Music.aif□□□□□
Audio□□□□□

6. □□□□□□□□□□□□□□□□□□12.1□□□

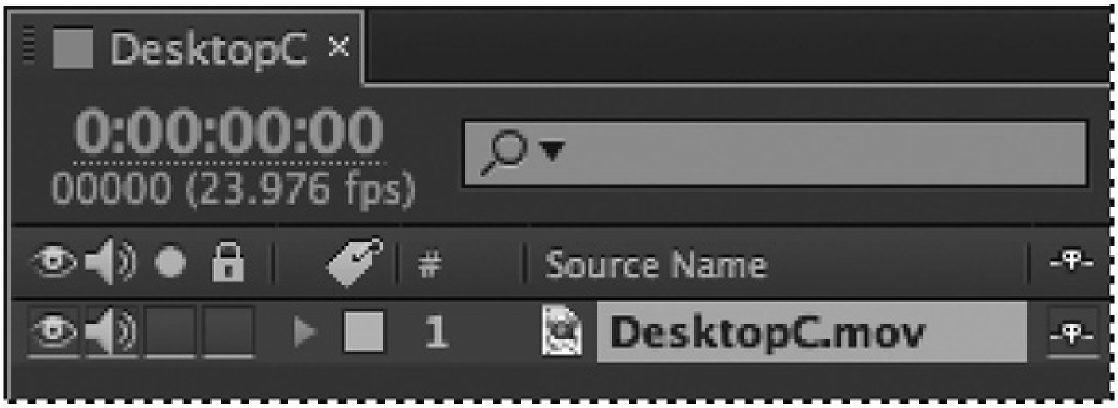


□12.1

12.2.2 □□□□□

□□□□□□DesktopC.mov□□□□□□□□□□□□□□□

1. □DesktopC.mov□□□□Project□□□□Create A New Composition□□□  □□□After Effects□□□□□□□□□□□□DesktopC□□□□□□□Composition□□□Timeline□□□□□12.2□□12.3□□□



□12.2



□12.3

2. □DesktopC□□□□□□□Project□□□□□□□□□□□□□Footage□□□□

3. □□□□□□□□□□□□□□□□□□□□

□□□

4. □□File>Save□□□□□□□□

> □□□□□□□□

□□CMOS□□□□□□□□——□□□□□□□□□□□□□□□DSLR□□□□□□□□□□□□□□□□□□□□□□□——□□□□□“□□”□□

Rolling Shutter Repair□□□□□□□□□□□□□□□□Timeline□□□□□□□□□□□□□Effect>Distort>Rolling Shutter Repair□□□□□12.4□□12.5□□□



□12.4



□12.5

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□Scan Direction□□□□□□Method□□□□□

□□□□□□□□Rolling Shutter Repair□□□□□□□□□3D Camera Tracker□
□□□□□□□□□□□

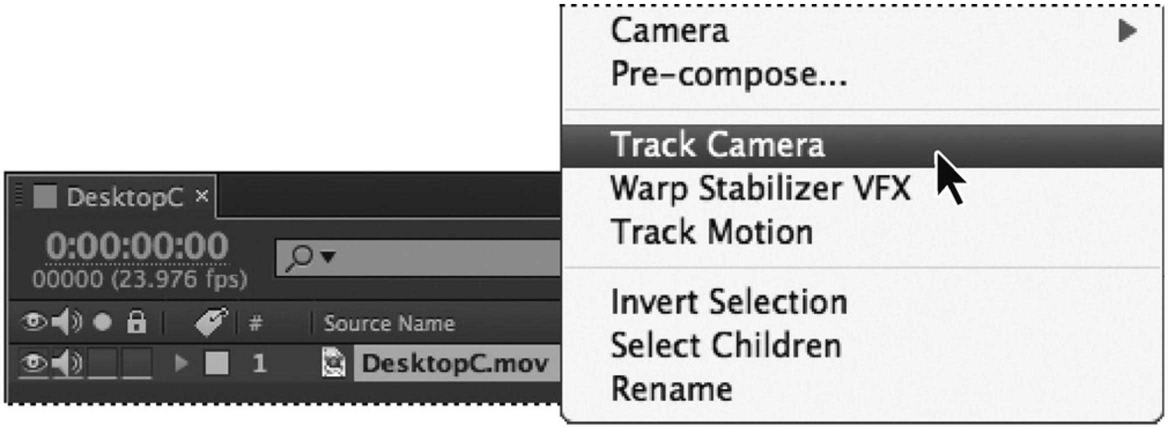
12.3 □□□□

2D□□□□□□□□□After Effects□□□□□3D□□□□□□□□□3D□□
□□

1. □Timeline□□□□DesktopC.mov□□Audio□□□□□□□□

□□□□□□□□□□□□□□□□□□□□

2. □Timeline□□□□□□□□Windows□□□□□Control□□□□□□Mac OS□DesktopC.mov □□□□□Track Camera□□□12.6□□□



□12.6

After Effects□□Effect Controls□□□□□□□□□□□□□□□□□□□□□□□□□□□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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3. □Effect Controls□□□□□Advanced□□□□□□Detailed Analysis□□□12.7□□12.8□□□

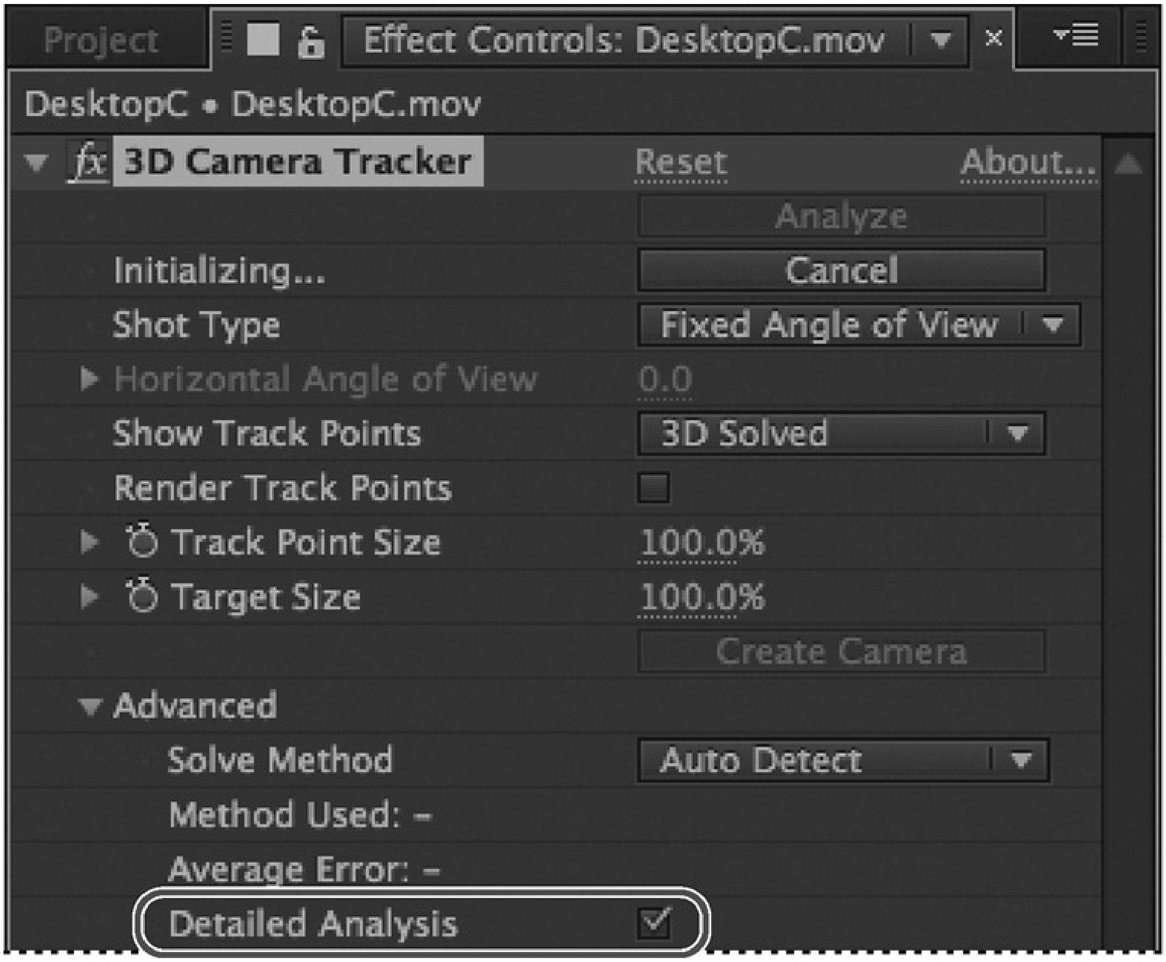

Project
Effect Controls: DesktopC.mov
DesktopC • DesktopC.mov
3D Camera Tracker
Reset
About...
Analyze
Initializing...
Cancel
Shot Type
Fixed Angle of View
Horizontal Angle of View
0.0
Show Track Points
3D Solved
Render Track Points
Track Point Size
100.0%
Target Size
100.0%
Create Camera
Advanced
Solve Method
Auto Detect
Method Used: –
Average Error: –
Detailed Analysis

图12.7


Analyzing in background (step 1 of 2)

[illegible]12.8

After Effects[illegible]3D Camera Tracker[illegible]Detailed Analysis[illegible]

4. [illegible]File>Save[illegible]

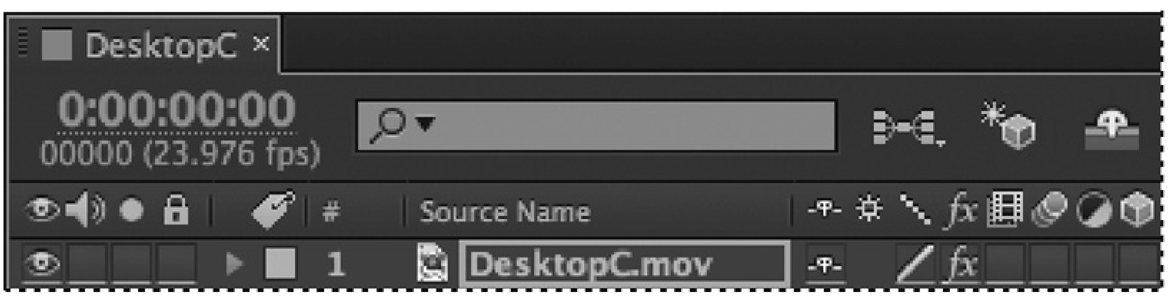
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[illegible]3D[illegible]3D[illegible]

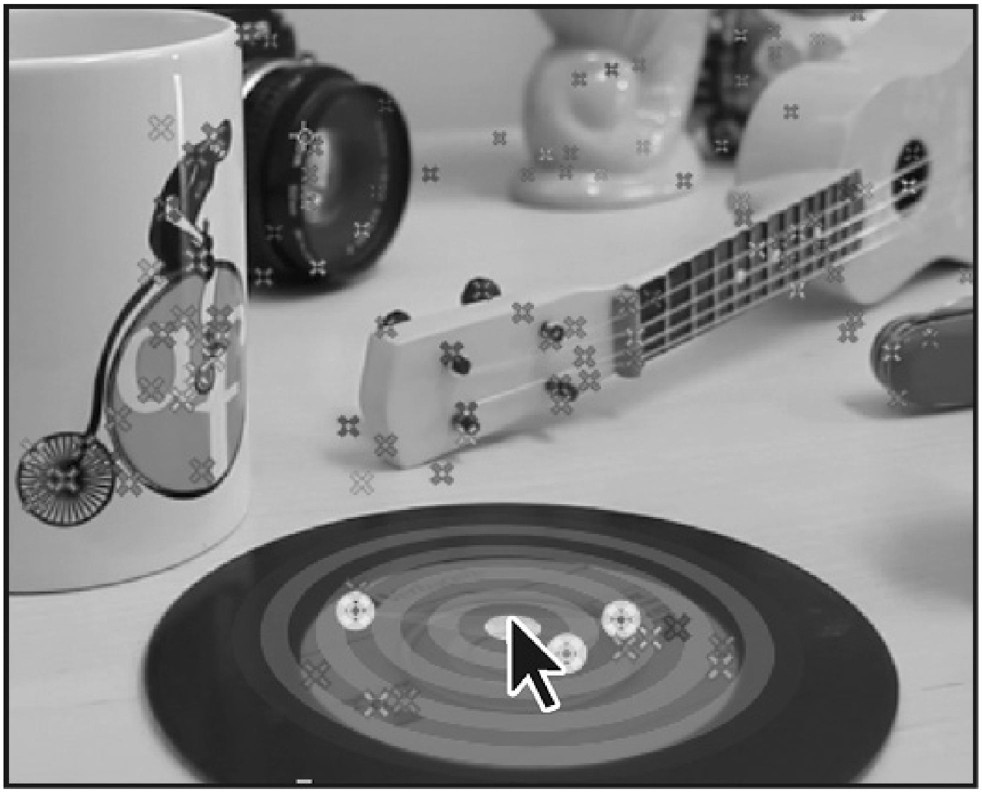
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> [illegible]
>
> [illegible]Effect Controls[illegible]Create Camera[illegible]

2. [illegible]Composition[illegible]12.9[illegible]12.10[illegible]Effect Controls[illegible]3D Camera Tracker[illegible]



[illegible]12.9



□12.10

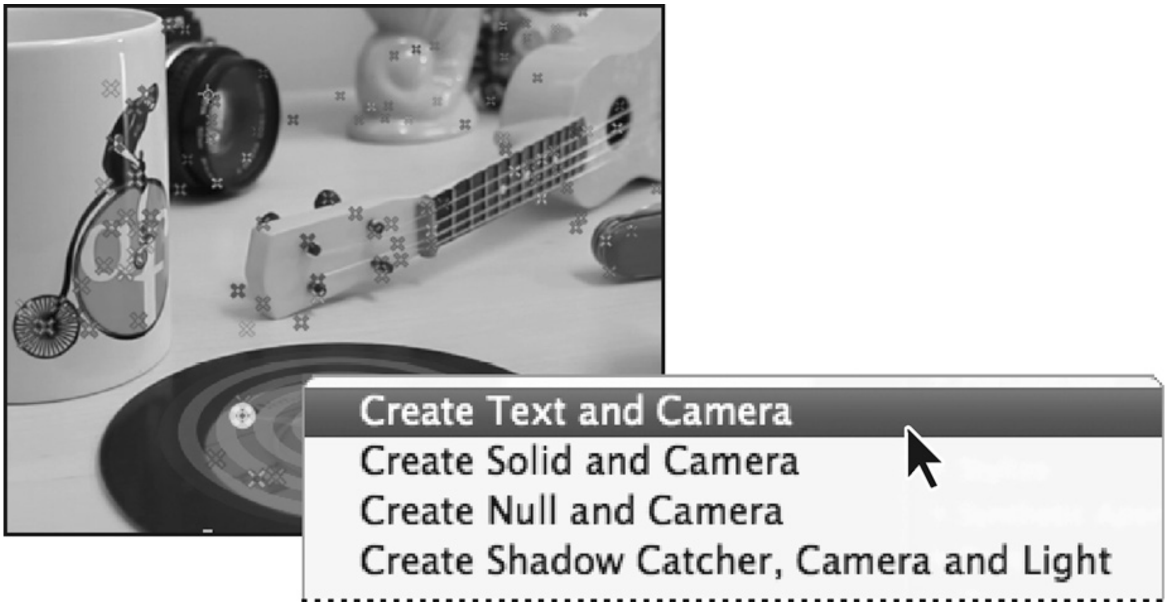
> **□□□**
>
> □□□□□□□□□□□□□□□□Alt□□□Option□□□□□□□□□□□□□□□□□□□□□□□

□□□3D□□□□□□□

3. □□□□□Windows□□□□□Control□□□□□□Mac OS□□□□□□Set Ground Plane And Origin□

□□□□□□□□□□□□□□□□0□0□0□□□□□Composition□□□□□Active Camera□□□□□□□□□□□□□□□□□□□□□□□□□□□

4. □□□□□Windows□□□□□Control□□□□□□Mac OS□□□□□□□□□□Create Text And Camera□□12.11□□□

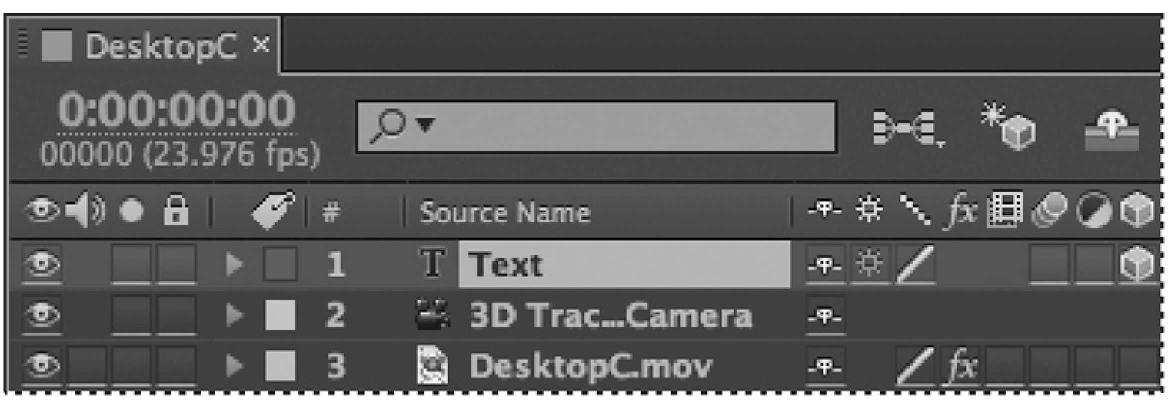


□12.11

After Effects□□□Composition□□□□□□□□□□□□□□□□Timeline□□□□□□□□□□Text□3D Tracker Camera□□□3D□□□□Text□□□□□□□DesktopC.mov□□□□□2D□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□□□□□□3D□□□

5. □□□

6. □Timeline□□□□□Text□□□□□Character□Paragraph□□□□□12.12□□12.13□□□



□12.12



□12.13

7. □Paragraph□□□□□□□□□Center Text□□□□□□□□□□□□□□

8. □Character□□□□□□□□□□□□□□□□Arial Narrow□□Helvetica Light□□□□□□□□□20□□□□□□□□1□□□□□□□□□Fill Over Stroke□□□□□□□□□□□□□□□□□□□□□□□□12.14□□12.16□□□


Text
CD-R

图12.14

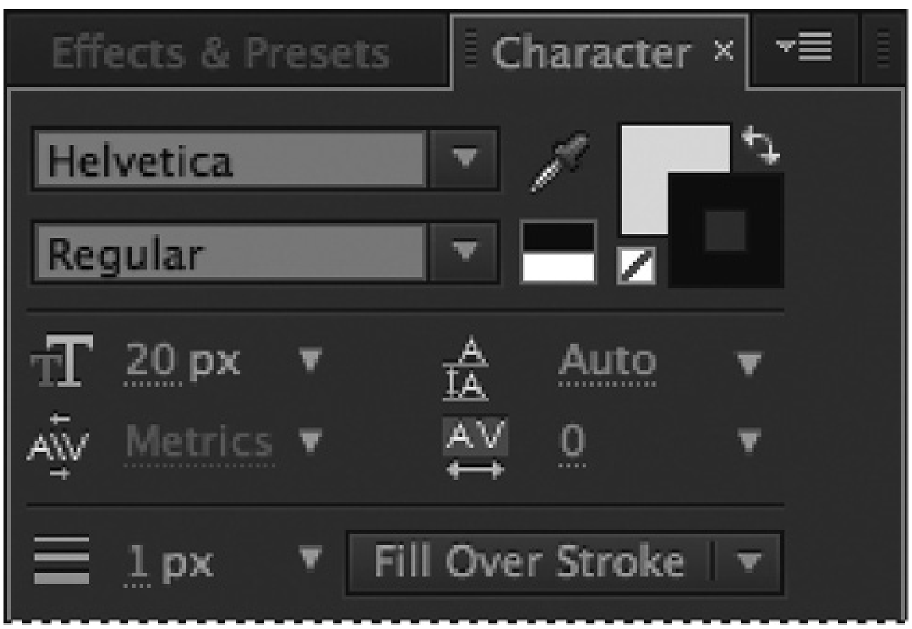

Effects & Presets
Character
Helvetica
Regular
20 px
Auto
Metrics
0
1 px
Fill Over Stroke

图12.15

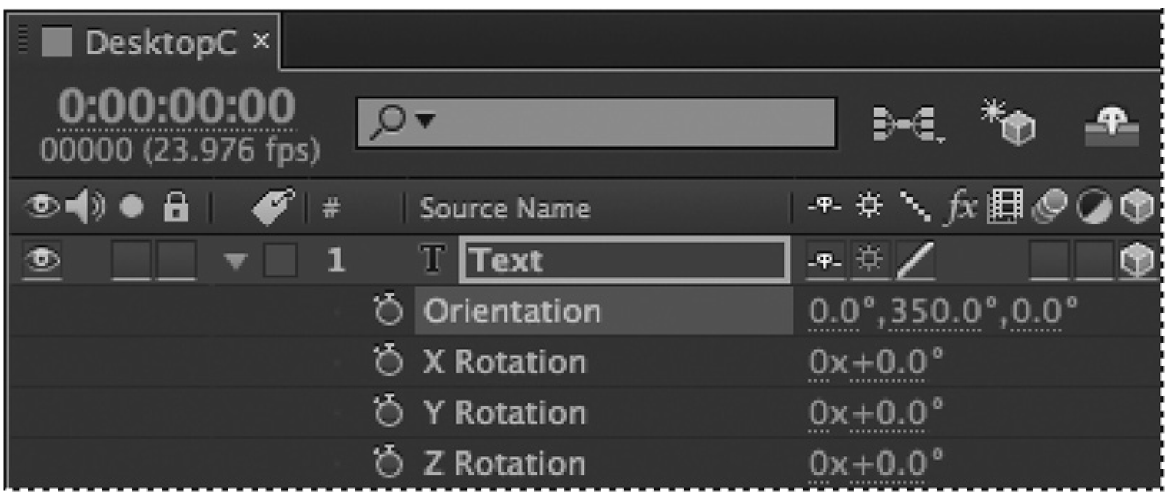


12.16

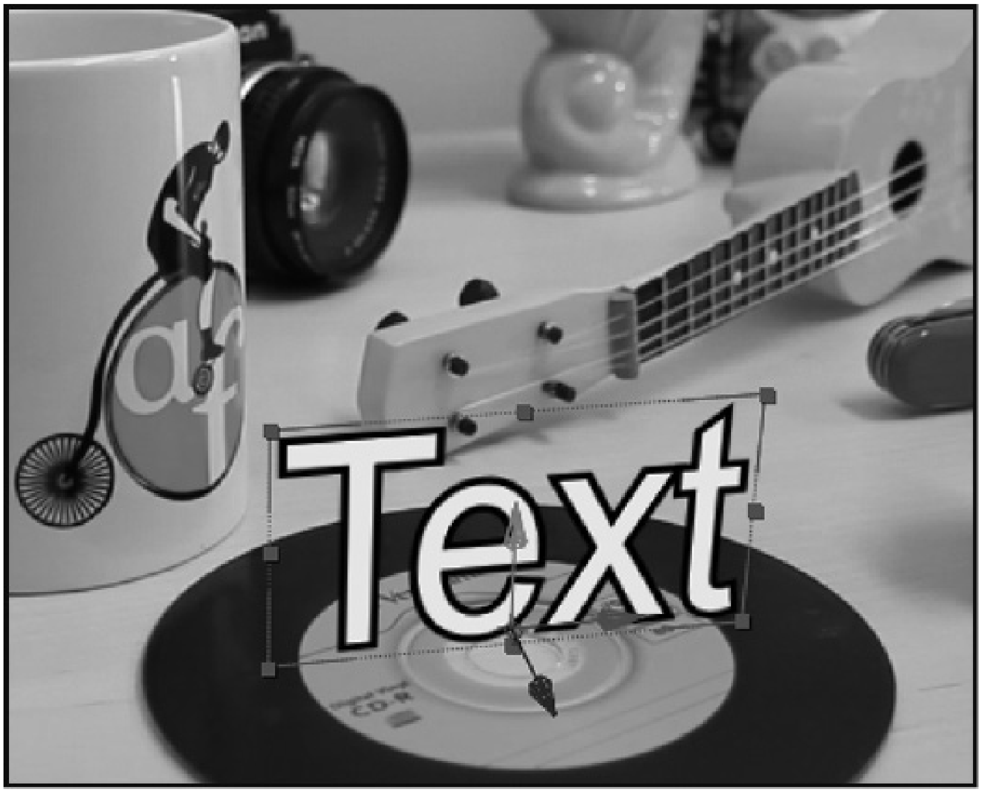
9. Timeline Text P Rotation
Orientation 0 350 0°

> ****
>
> Rotation Composition

3D Text*x*
Orientation 270° 0 12.17 12.18



12.17

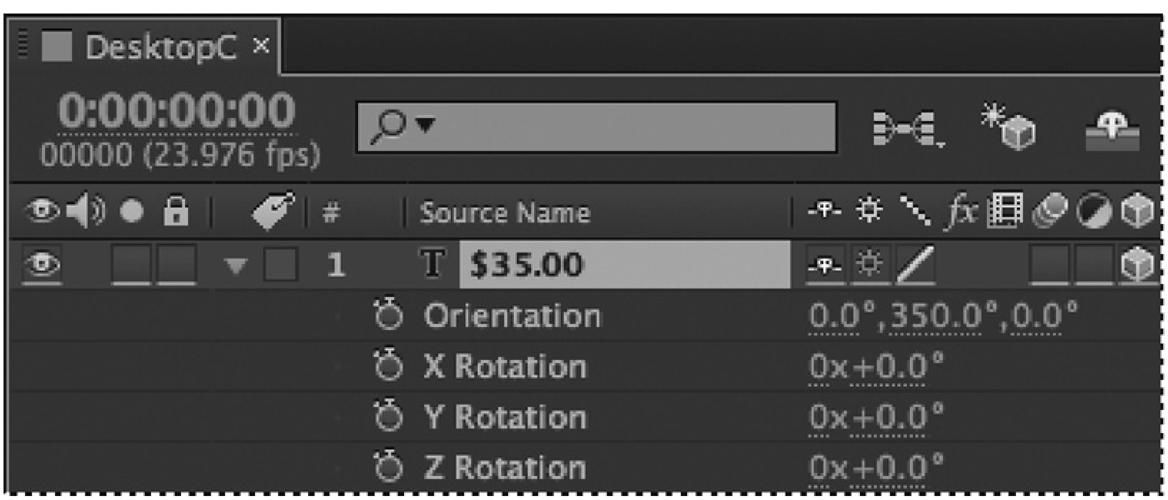


□12.18

10. □Timeline□□□□□□Text□□□□Composition□□□Text□□□

□□□□□□□□□□□□□□□□□□□□□□□□□

11. □Composition□□□□□□□□□□□$35.00□□□□□□□□12.19□□12.20
□□□



□12.19



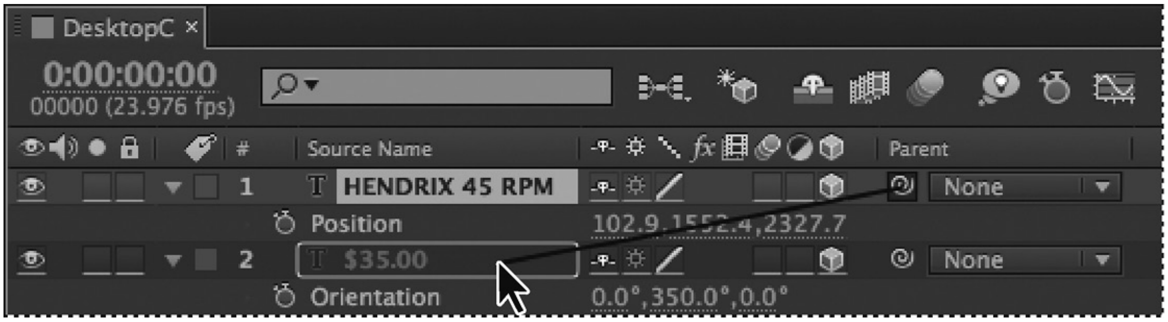
□12.20

□□□

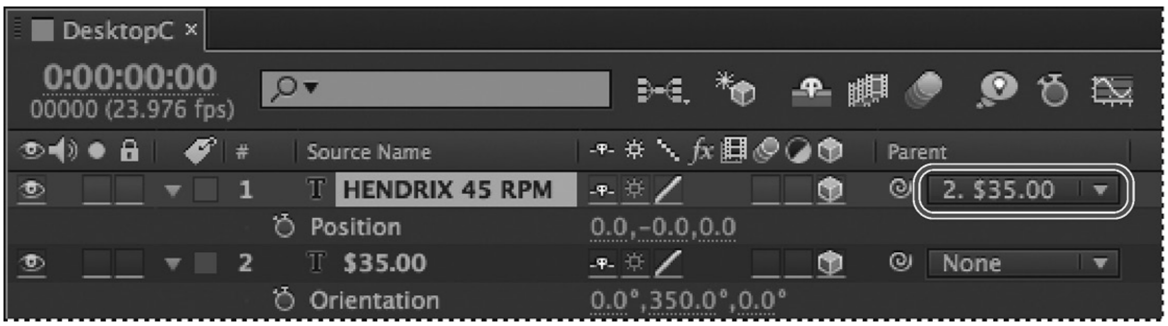
12. □Timeline□□□□□$35.00□□□□Ctrl+D□Windows□□□Command+D□Mac OS□□□□□□□

13. □□$35.2□□□□Composition□□□□□HENDRIX 45 RPM□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□$35.00□□□□□□□□

14. □Timeline□□□□□Hendrix 45 RPM□□□□P□□□□□Position□□□□Hendrix□□□pick whip□□□□□$35.00□□□□□12.21□□12.22□□□



□12.21

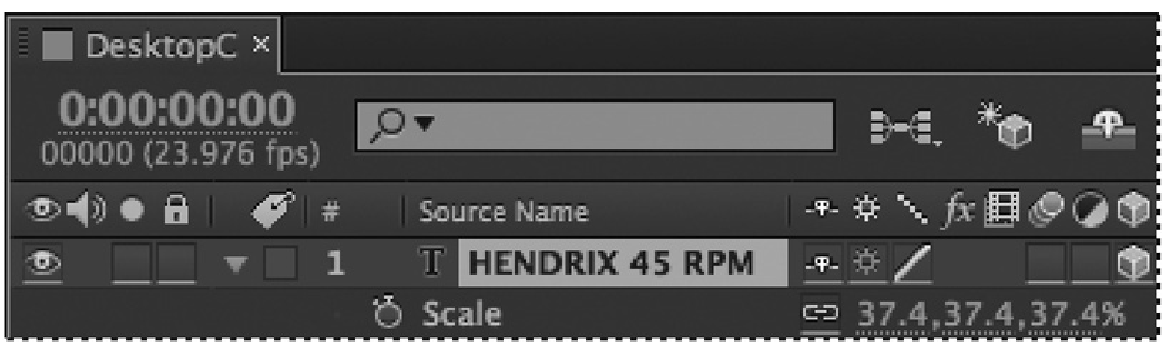


□12.22

□Hendrix□□□Position□□□□0□0□0□□□□□□□□□□□□□□□□□□□□□□□Hendrix□□□□□$35.00□□□□□□□□□□□□□

15. □*y* □□□□□□□−18□□Hendrix□□□□□□□□□□□□

16. □□Hendrix□□□□S□□□Scale□□□□Scale□□□□37.4□37.4□37.4%□□□□12.23□□12.24□□□



□12.23



□12.24

17. □□□□□□□□□File>Save□□□□□□

12.5 □□□□□

□□□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□

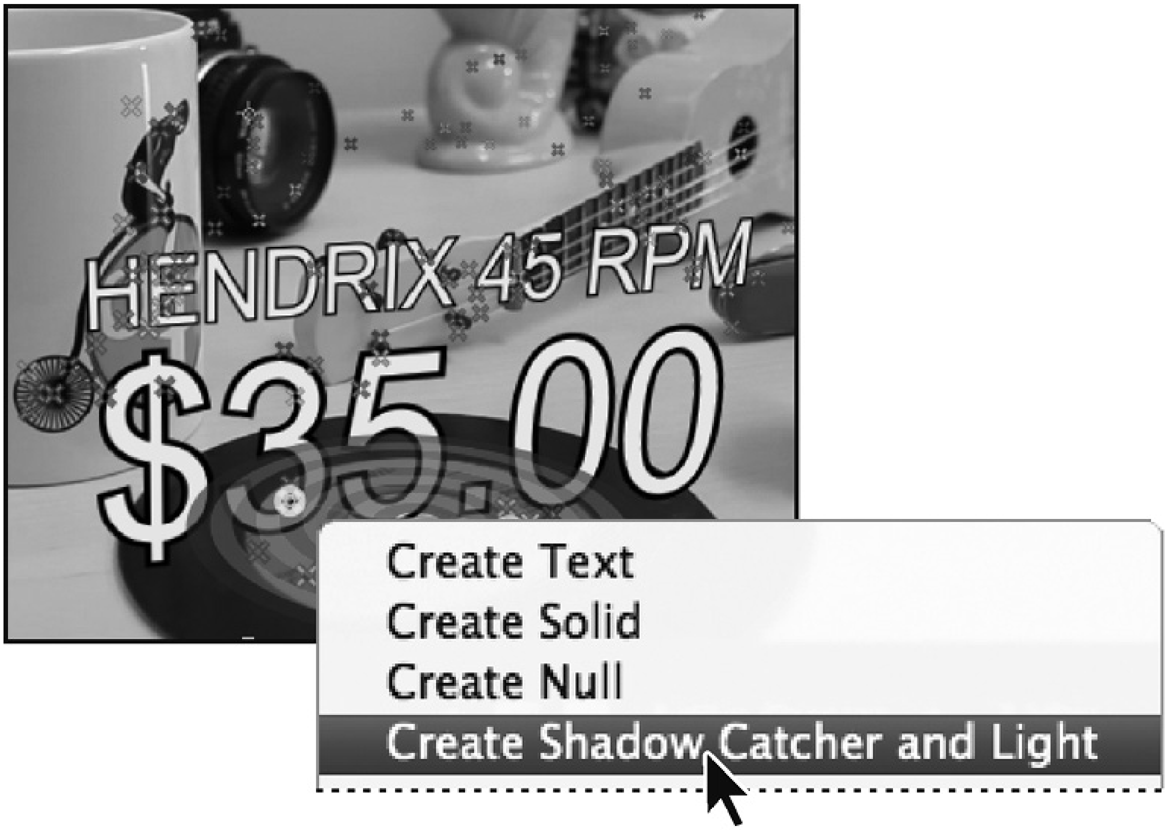
1. □Home□□□□□□□□□□□□□□□□□

2. □Timeline□□□□□DesktopC.mov□□□E□□3D Camera Tracker□□□□□□3D Camera Tracker□□

3. □Tools□□□□□Selction□□ □□□□□Composition□□□□□□□
□□□□□□□□□□□

> □□□
>
> □DesktopC.mov□□□□□□3D Camera Tracker□□□□□3D Tracker Camera□□

4. □□□□□Windows□□□□□Control□□□□□□Mac OS□□□□□□□□Create Shadow Catcher And Light□□□12.25□□□



□12.25

After Effects□□□□□□□□□□□□□□□□□□□□□□Composition□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□After Effects□□□Timeline□□□□Shadow Catcher 1□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

5. □Timeline□□□□□□Light 1□□□□P□□□□□□Position□□□

6. □Position□□□□□□□□□□□□□□□□□□□□□1900□−2500□−375□□

7. □□Layer>Light Settings□□□

□□□Light Settings□□□□□□□□□□□□□□□□□□□□□

□□:

□□□□□□□□□□□□□□2D□□□□□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□

8. □□□□□□Key Light□□Light Type□□□□□Point□□□□□□□□□R=232□G=214□B=213□□□□□□□□□□□□□□Shadow Darkeness□□15%□□Shadow Diffusion□□100 px□□□OK□□□□□12.26□□12.27□□□

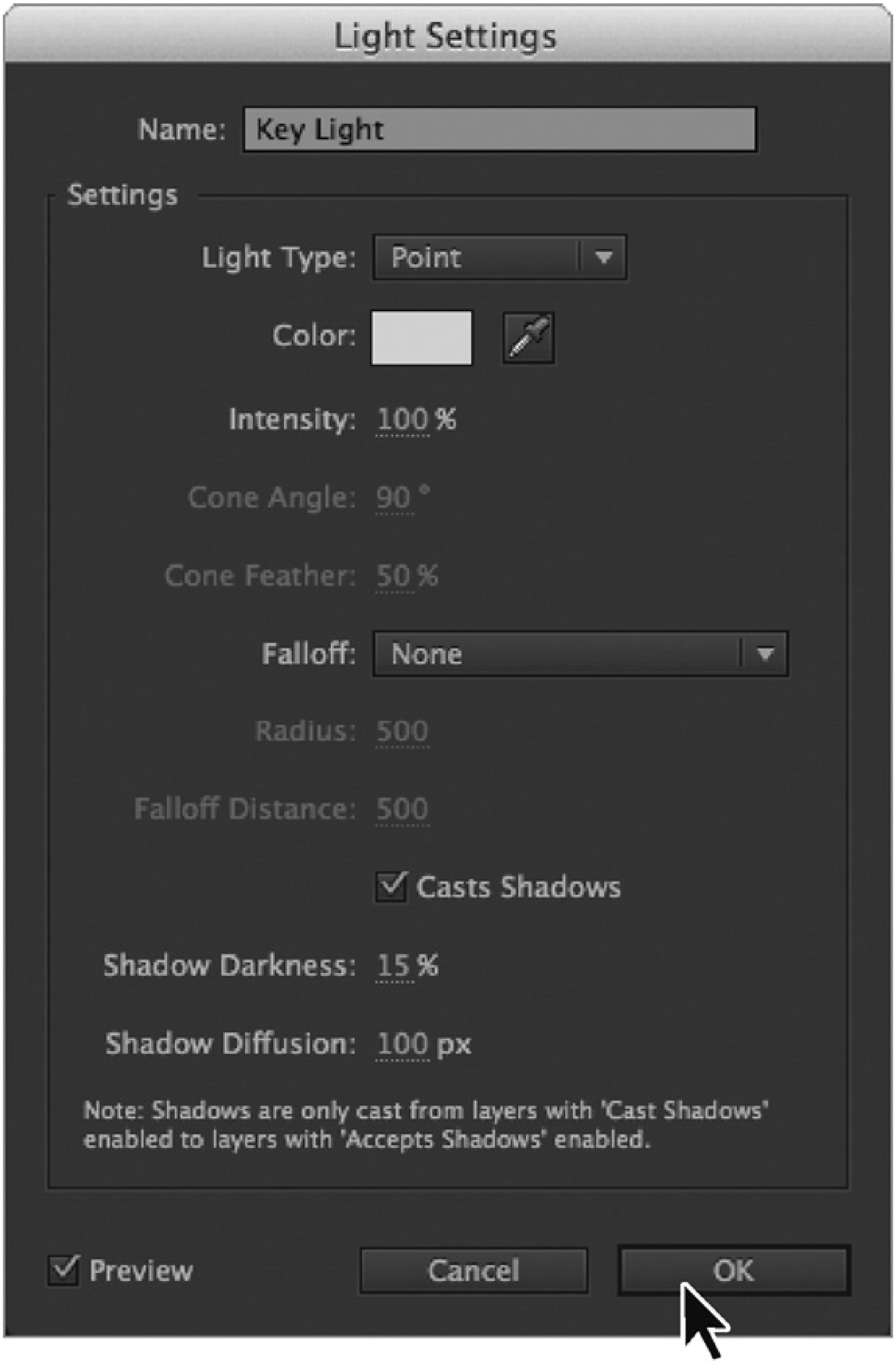
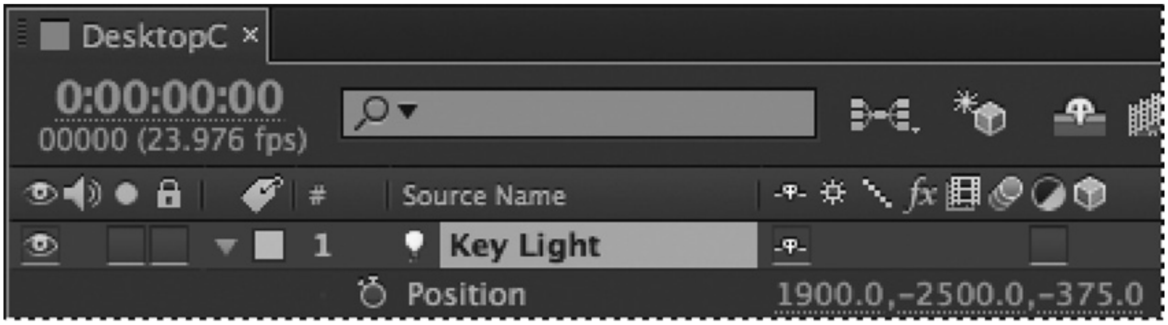

Light Settings
Name:
Key Light
Settings
Light Type:
Point
Color:
Intensity:
100 %
Cone Angle:
90 °
Cone Feather:
50 %
Falloff:
None
Radius:
500
Falloff Distance:
500
Casts Shadows
Shadow Darkness:
15 %
Shadow Diffusion:
100 px
Note: Shadows are only cast from layers with 'Cast Shadows' enabled to layers with 'Accepts Shadows' enabled.
Preview
Cancel
OK

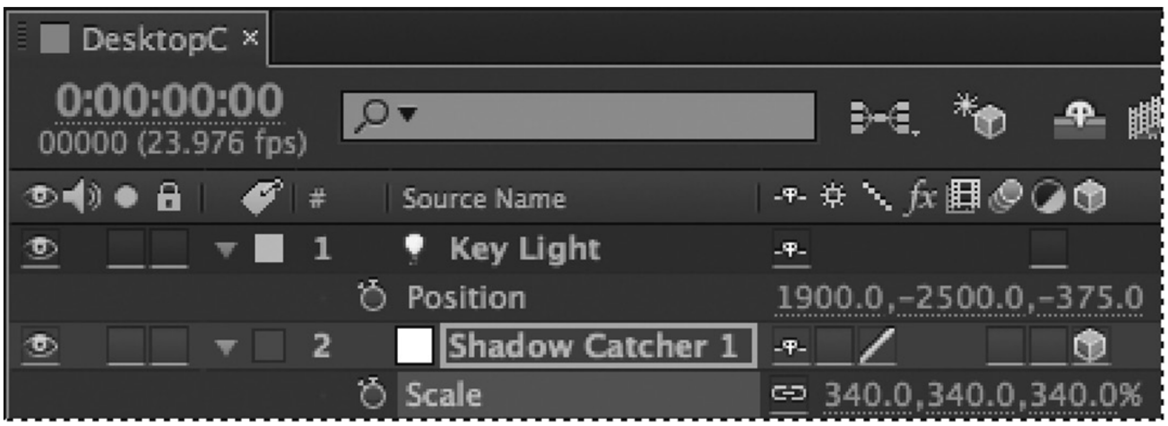
图12.26



□12.27

9. □Timeline□□□□□Shadow Catcher 1□□□□S□□□Scale□□□

10. □Scale□□□340%□□□12.28□□□



□12.28

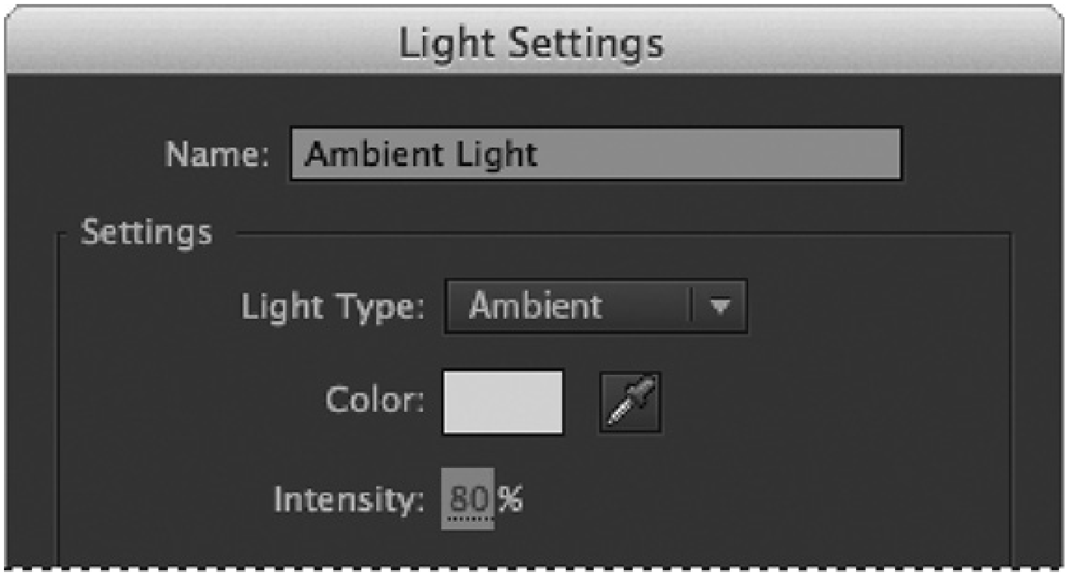
□□Shadow Catcher 1□□□□□□□□□□□□□□□□□□□□□□□

12.6 □□□□□

□□

1. □□Layer>New>Light□□□

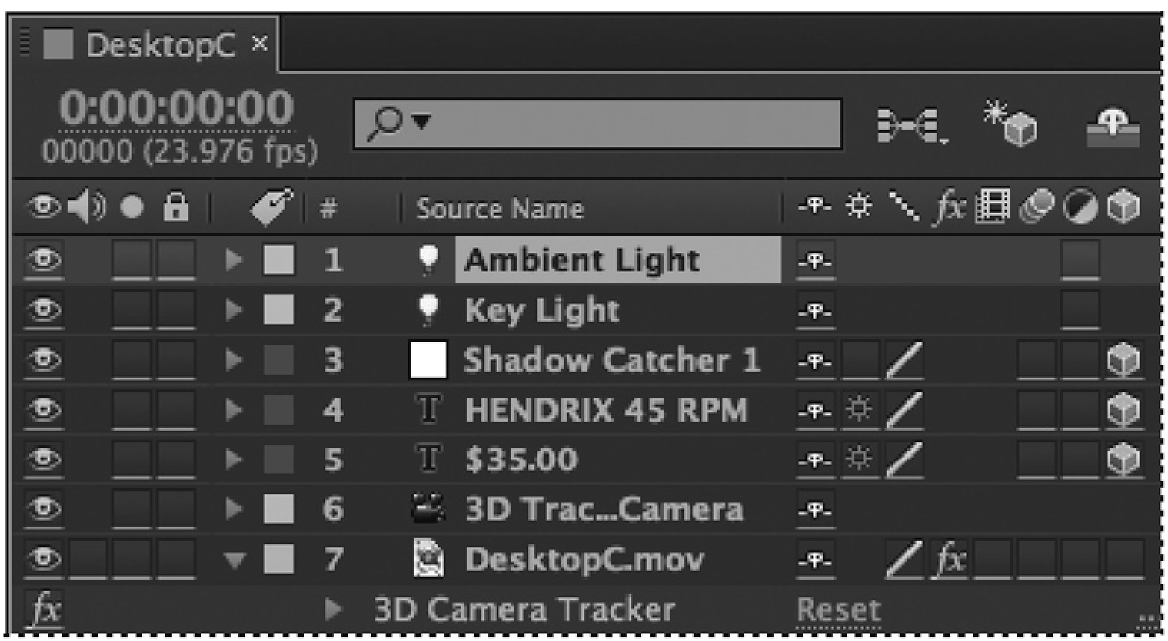
2. □□□□□□Ambient Light□□Light Type□□□□□Ambient□□Intensity□□□80%□□□□□□□□□□□□□□□□□□□□12.29□□□



□12.29

3. □□OK□□□□□□

4. □Timeline□□□□□□□□□□□□□DesktopC.mov□□□□□12.30□□12.31□□□



□12.30



[illegible]12.31

12.7 [illegible]

[illegible]Hendrix[illegible]

[illegible]12.1[illegible]

[illegible]12.1

[illegible]	[illegible](第1[illegible])	[illegible] (第5[illegible])	[illegible] (第6[illegible])	[illegible] (第7[illegible])	[illegible] (第9[illegible])
[illegible]	3:00	0, 310, 0	$298.00	3000	35MM CAMERA
[illegible]	5:00	0, 325, 0	$612.00	2000	GOLD STATUE
[illegible]	7:00	0, 340, 0	$75.00	2500	POCKET KNIFE

[illegible]	[illegible](第1步)	[illegible] (第5步)	[illegible] (第6步)	[illegible] (第7步)	[illegible] (第9步)
[illegible]	9:00	0, 310, 0	$500.00	3000	1942 UKULELE

> **[illegible]:**
> [illegible]3D[illegible]Mask[illegible]

1. [illegible]

2. [illegible]Timeline[illegible]3D Camera Tracker[illegible]DesktopC.mov[illegible]3D Camera Tracker[illegible]E[illegible]

> **[illegible]**
> [illegible]DesktopC.mov[illegible]3D Camera Tracker[illegible]3D Tracker Camera[illegible]

3. [illegible]Selection[illegible]Composition[illegible]

4. [illegible]Windows[illegible]Control[illegible]Mac OS[illegible]Create Text[illegible]

5. [illegible]Timeline[illegible]Text[illegible]P[illegible]Rotation[illegible]Orientation[illegible]

6. [illegible]Text[illegible]Composition[illegible]

7. [illegible]Timeline[illegible]S[illegible]Scale[illegible]Scale[illegible]

8. [illegible]Ctrl+D[illegible]Windows[illegible]Command+D[illegible]Mac OS[illegible]

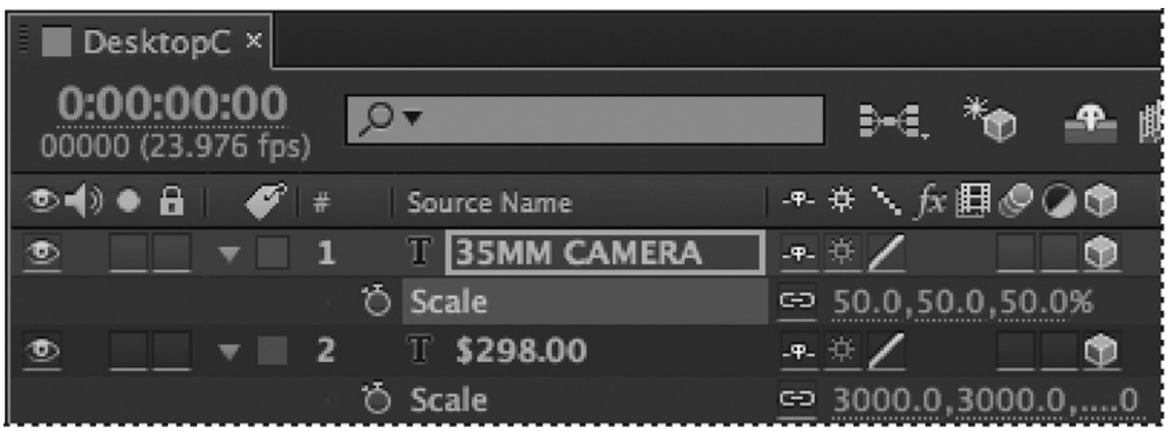
9. □Timeline□□□□□□□□□□□□□□□Composition□□□□□□□□

10. □Timeline□□□□□□□□□□□□P□□□Position□□□□□□□□□□□□□
35MM CAMERA□□pick whip□□□□□□□□□□□$298.00□□

> **□□□**
>
> □□After Effects□□□□□□□□
> □□

11. □□□□□Position□□□*y* □□□−18□□□□□□□□□□□□□

12. □□□□□□□□□□S□□□Scale□□□□Scale□□□□50□50□50%□□□□
12.32□□12.33□□□



□12.32



□12.33

13. □□□□□□□□□□□□

14. □□□□1□□□13□□□□12.1□□□□□□□□□□□□□□□

□□

15. □Timeline□□□□□□$500.00□□□□P□□□□□Position□□□□□2300□−580□3500□□

16. □Timeline□□□□□□$612.00□□□□P□□□□□Position□□□□□1830□54□236□□□□12.34□□□



□12.34

17. □□File>Save□□□□□□

12.8 □□□□□□□

□□□Adobe Photoshop□□□

1. □Home□□□□□□□□□□□□□□□□□□

2. □Timeline□□□□□3D Camera Tracker□□DesktopC.mov□□□□□□□□□□□□□3D Camera Tracker□□E□□□□□□□

3. □□Selection□□□□□□□□□□□□□□□□□□□□□

4. □□□□Windows□□□□Control□□□□□Mac OS□□□□□Create Null□□□12.35□□□



□12.35

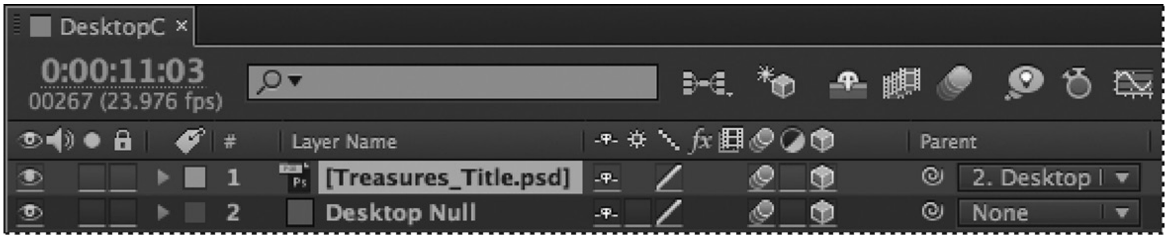
□Timeline□□□□After Effects□□□□□□□□□□□Track Null 1□□

5. □Timeline□□□□□□Track Null 1□□□□Enter□□□Return□□□□□□□Desktop Null□□□Enter□□Return□□□□□□□□□

6. □Project□□□□□Treasures_Title.psd□□□Timeline□□□□□□□□□□Desktop Null□□□□□

> □□□
>
> □□□□pick whip□□□□□□Treasures_Title□□□□□Parent□□□□2.Desktop Null□

7. □Treasures_Title□□□□pick whip□□□Desktop Null□□□□□□□□Desktop Null□□□□□12.36□□□



□12.36

8. □□Treasures_Title□□□3D□□□□□□□3D□□□

□□□□□□□□□□□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□□□□□□

9. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

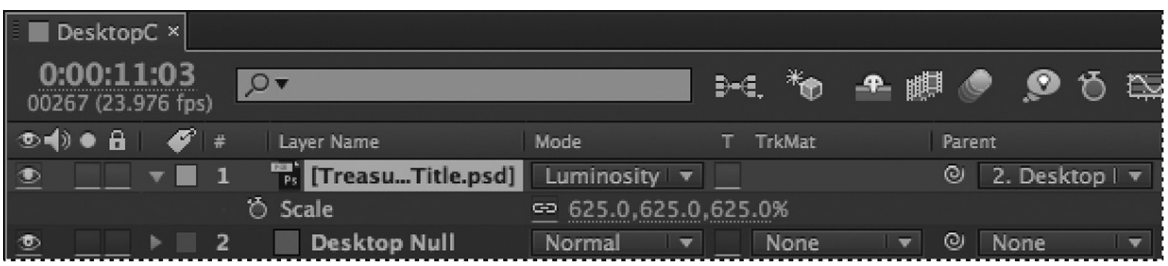
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

10. □Timeline□□□□□Treasures_Title□□□□R□□□□Rotation□□□□□□Z Rotation□□□□305°□

11. □S□□□□Scale□□□□□□Scale□□□625%□

12. □□Selection□□□□□□□□□□□□□

13. □Timeline□□□□□□□Toggle Switches/Modes□□□□Treasures_Title□□□Mode□□□□Luminosity□□□12.37□□□



□12.37

14. □□□□Toggle Switches/Modes□□□□□□□□□

15. □□File>Save□□□□□□□□□12.38□□□



□12.38

12.9 □□□□□□□

3D□□□

12.9.1 □□□□□□□□□□

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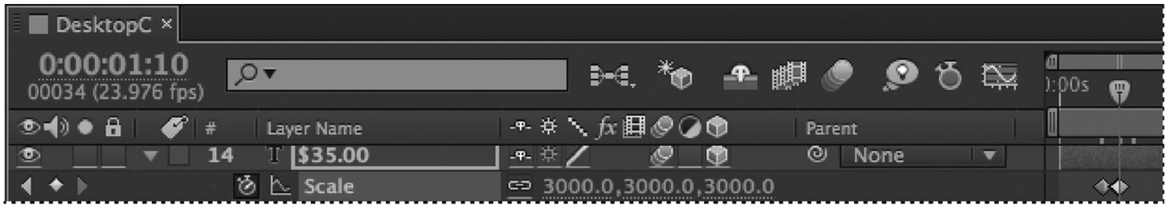
1. □Project□□□□Audio□□□□Treasures_Music.aif□□□□□Timeline□□□□□□□□□□□□

2. □□□□□□□□□□□□□□□□□□□RAM□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

3. □□□1:00□□□$35.00□□□□S□□□Scale□□□□□Scale□□□0%□□□□□□□□ □□□□□□□□□

4. □□□1:08□□$35.00□□□Scale□□□3200%□□□□□□□□□□□□□□

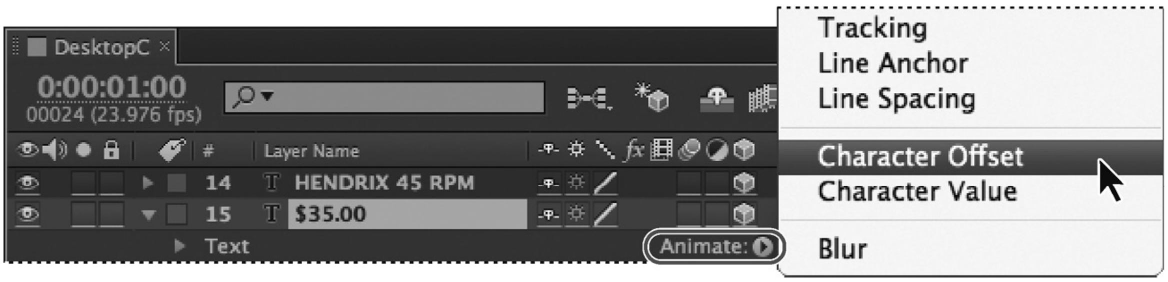
5. □□□1:10□□Scale□□□3000%□□□□□□□□□□12.39□□□



□12.39

6. □□1:00□□S□□□Scale□□□□□$35.00□□□□□□□□□□□□□□□□□

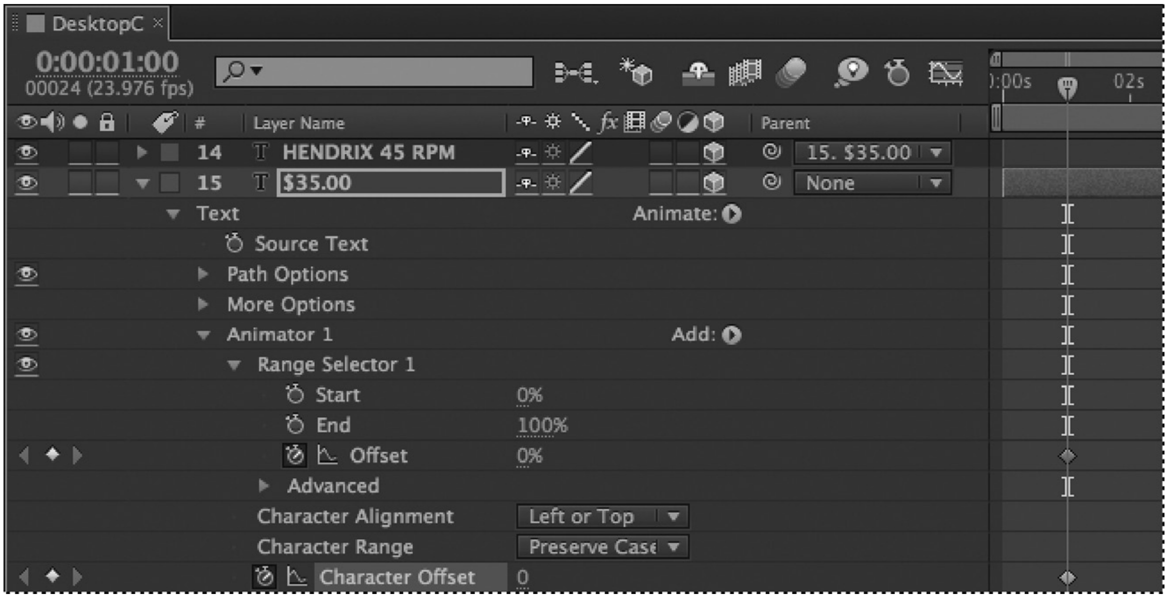
7. □Text□□□□□Animate□□□□□□□□□□Character Offset□□12.40□□□



□12.40

8. □Animator 1□□□□□Range Selector 1□□□□□Offset□□□□□□□□□□□□□0%□

9. □Character Offset□□Character Range□□□□□□□□□□□□□□0□□□12.41
□□□

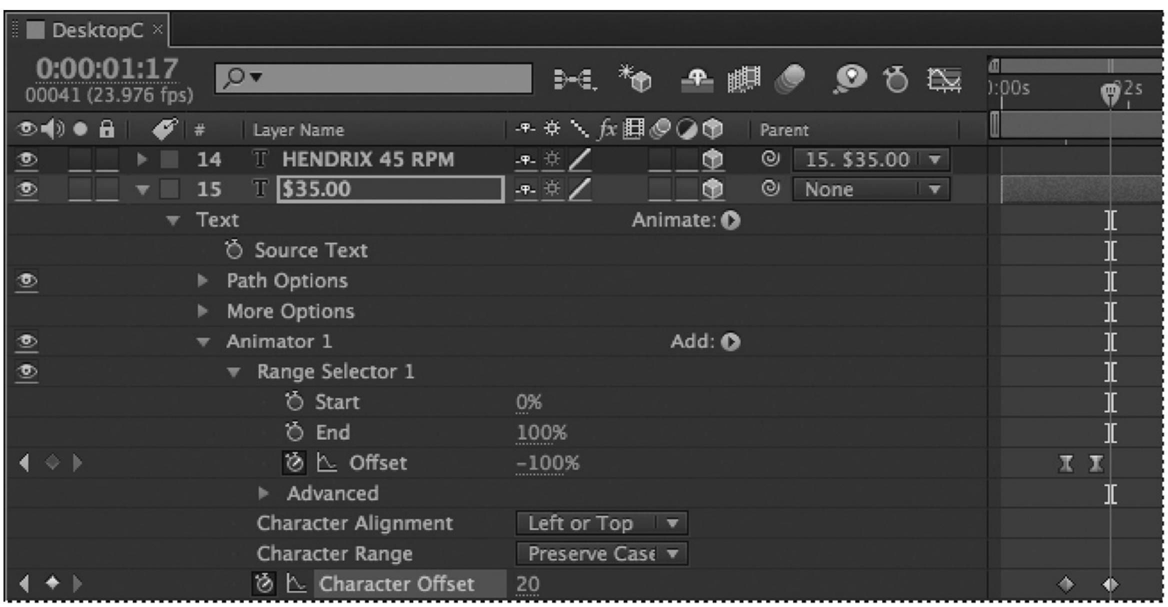


□12.41

10. □□□1:12□□Range Selector 1 Offset□□□−100%□

11. □□Offset□□□□□□□□□□□Windows□□□□Control□□□□□Mac OS□□□□□□□□□□□Keyframe Assistant>Easy Ease□□□

12. □□□1:17□□Character Offset□□□20□□□12.42□□□



□12.42

13. □□RAM□□□□□□□□□□□□□□

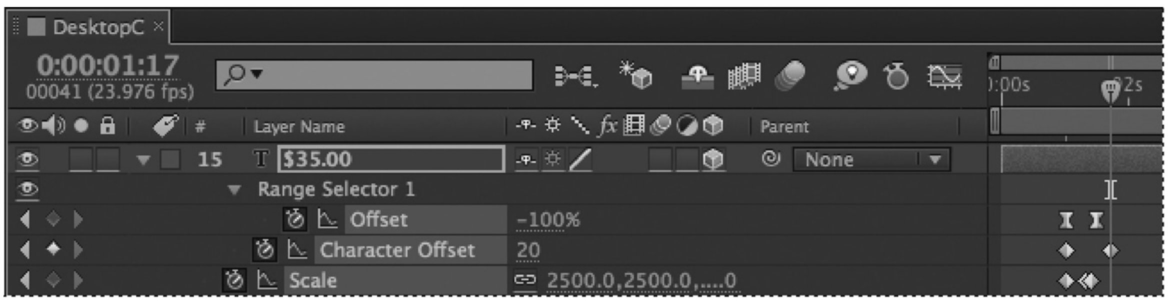
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12.9.2 □□□□□□□□□□□

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1. □□$35.00□□□□U□□□□□□□□□□□□

2. □□□□□□□□□□□□□□□□□□□□□□□□□12.43□□□



□12.43

3. □□Edit>Copy□□□□□□□□□□□□□□

4. □□□3:00□□□$298.00□□□□□□□□□□□□□□□□Edit>Paste□□□□□□□□□□□□□

5. □□□5:00□□□$612.00□□□□Ctrl+V□Windows□□□Command+V□Mac OS□□□□□□□□□□□□□□□□

6. □□□7:00□□□$75.00□□□□Ctrl+V□Windows□□□Command+V□Mac OS□□□□□

7. □□□9:00□□□$500.00□□□□Ctrl+V□Windows□□□Command+V□Mac OS□□□□□

8. □□□□□□□□□□□□□□□File>Save□□□

12.10 □□□□□□

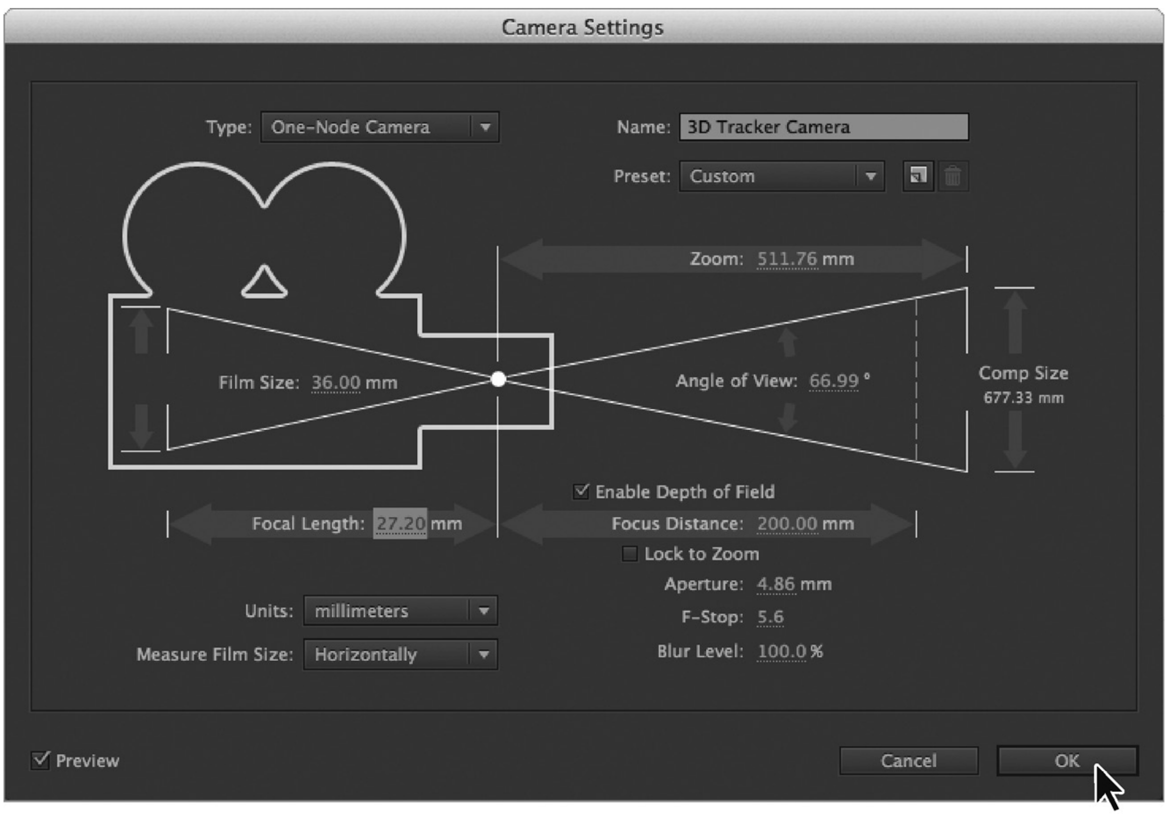
□□□□□□□□□□□□□□□3D□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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1. □Timeline□□□□□□3D Tracker Camera□□□

2. □□Layer>Camera Settings□□□

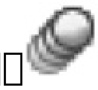
3. □Camera Settings□□□□□□□□□□□□□□□□OK□□□

- □□Enable Depth of Field□
- □Focus Distance□□□200mm□
- □F-Stop□□□5.6□
- □Focal Length□□□27.2□□□12.44□□□



□12.44

4. □Timeline□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Motion Blur□
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5. □Timeline□□□□□□Enable Motion Blur□□□□□□□□□□□□□
□□

6. □□File>Save□□□□□□

12.11 □□□□□□

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□□□□□□□14□□□□□□□□□□□□□□□□

1. □□Window>Render Queue□□□Render Queue□□□

2. □Project□□□DesktopC□□□□□□Render Queue□□□□

3. □□Rending Settings□□□□□□□□□□□□□□□Render Settings□
□□□□Resolution□□□□Half□□□OK□□□

4. □□Output Module□□□□□□□□□□□□□□Output Module
Settings□□□□□Format□□□□QuickTime□

5. □□Output Module Settings□□□□Format Options□□□□
QuickTime Options□□□□□□□□□□□□□OK□□□

- □Video Codec□□□□H.264□
- □Bitrate Settings□□□□Limit Data Rate To□
- □□□□□□□□8000kbit/s□

6. □Output Module Settings□□□□□□□Audio Output□□□□□□
Audio Output Auto□□□□OK□□□

□□Audio Output Auto□□□After Effects□□□□□□□□□□□□□□

7. □□Output To□□□□□□□□□□□□□□Lesson12□□□□□□□Save□
□□

8. □□Render Queue□□□Render□□□□□□□

9. After Effects□□□□□□□□□□QuickTime□□□□□□□□□□

12.12 [illegible]

[illegible]

1. 3D Camera Tracker[illegible]

2. [illegible]3D[illegible]

3. [illegible]3D Camera Tracker[illegible]DSLR[illegible]

[illegible]

1. 3D Camera Tracker[illegible]2D[illegible]After Effects[illegible]3D[illegible]3D[illegible]2D[illegible]3D[illegible]3D[illegible]

2. [illegible]3D[illegible]Scale[illegible]Scale[illegible]

3. [illegible]3D Camera Tracker[illegible]DSLR[illegible]DSLR[illegible]3D Camera Tracker[illegible]Rolling Shutter Repair[illegible]

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- □□□□□□□□□□□□□□□□
- □□Imagineer Systems mocha for After Effects□□□□□□□□
- □□□□□□□□□□
- □□Timewarp□□□□□□□□□□□□□□□□□□

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After Effects[illegible]

13.1 [illegible]

[illegible]2D[illegible]3D[illegible]Adobe After Effects[illegible]Timewarp[illegible]HDR[illegible]After Effects[illegible]Timewarp[illegible]

[illegible]

1. [illegible]AECC_CIB\Lessons\Lesson13[illegible]

- Assets□□□□flowers.mov□Group_Approach[DV].mov□majorspoilers.mov□etronome.mov□mocha_tracking.mov□multipoint_tracking.mov□
- Sample_Movies□□□□Lesson13_Multipoint.mov□Lesson_13_Particles.mov□Lesson13_Stabilize.mov□Lesson13_Timewarp.mov□Lesson13_Tracking.mov□

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2. □□□□□□Lesson13\Sample_Movies□□□□□□□□□□□□□□□□□□□□□□□□□

3. □□□□□□□□QuickTime Player□□□□□□□□□□□□□□□□□□□□□□□□□□□

13.2 □□Warp stabilizer VFX

□□

After Effects□□Warp stabilizer vfx□□□

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> □□□□□□□□□□□□□□□□□□Layer > Quality > Bicubic□Bilinear□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Layer>Quality>Best□□□□□□□□□□□□□□□

13.2.1 □□□□

□□After Effects□□□□After Effects□□□□□□□□□□□□□□□□□“□□□□□”□

1. □□After Effects□□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□OK□□

2. □□Close□□□Welcome□□

After Effects□□□□□□□□□□□□

3. □□File > Save As > Save As□□

4. □Save As□□□□□□AECC_CIB\Lessons\Lesson13\Finished_Project□□□

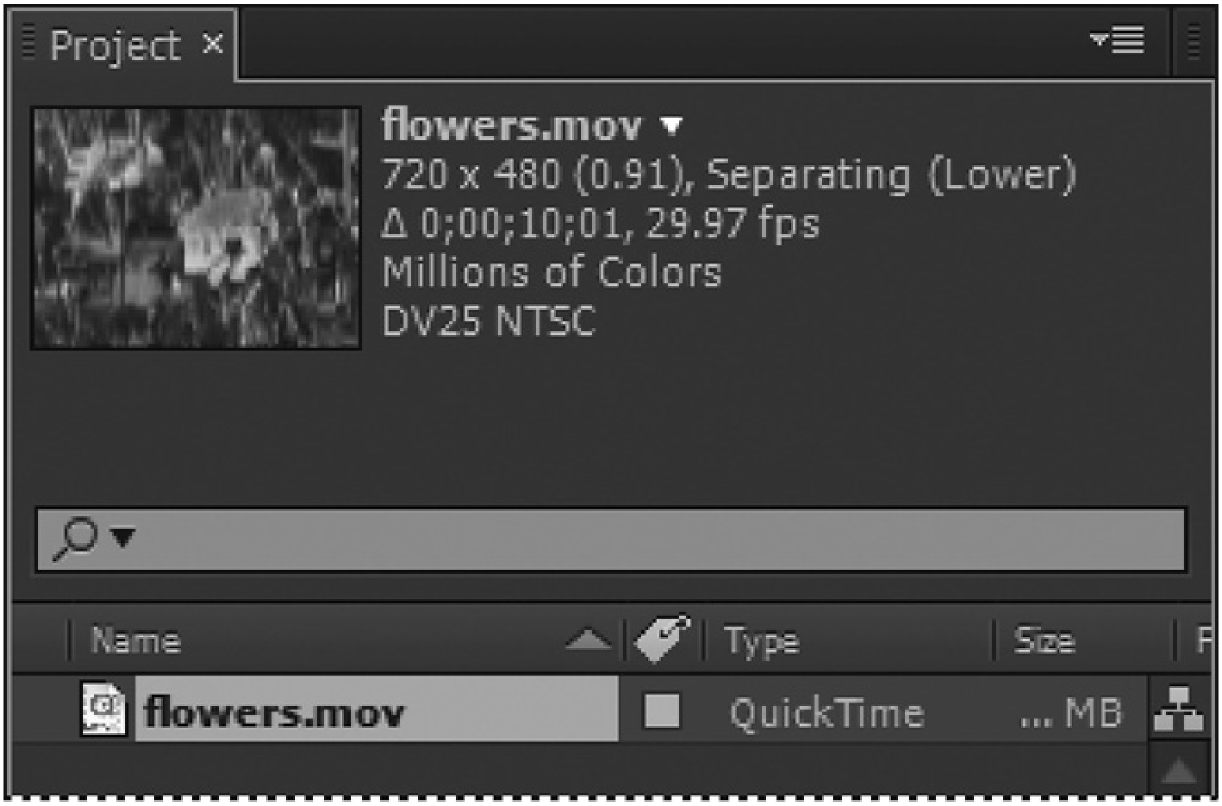
5. □□□□□Lesson13_Stabilize.aep□□□□Save□□□

13.2.2 □□□□

□□□□□□□□□□□

1. □□Project□□□□□□□□Import File□□□

2. □□□□AECC_CIB\Lessons\Lesson13\Assets□□□□flowers.mov□□□□Open□□□□13.1□□



□13.1

13.2.3 □□□□□□

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1. □□□□□□□□flowers.mov□□□□□□□□□□□□□□□□ □□□

After Effects□□□□□□□□□□Flowers□□□□□□□□□□□□□□□□□□□□□□□□□□□□

2. □□□□□□□□RAM□□□□□□□□□□□□□□□□□□□□□□□□□□

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13.2.4 □□Warp stabilizer VFX

Warp Stabilizer VFX□□After Effects□□□□□□

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1. □Timeline□□□□□flowers.mov□□□□□□Animation > Warp Stabilizer VFX□□□□□□□□□□□□□□□□□□□13.2□□□



□13.2

2. □Warp Stabilizer VFX□□□□□□□□□□□□□□□□□□□□□□□RAM□□□□□□□□□13.3□□□



□13.3

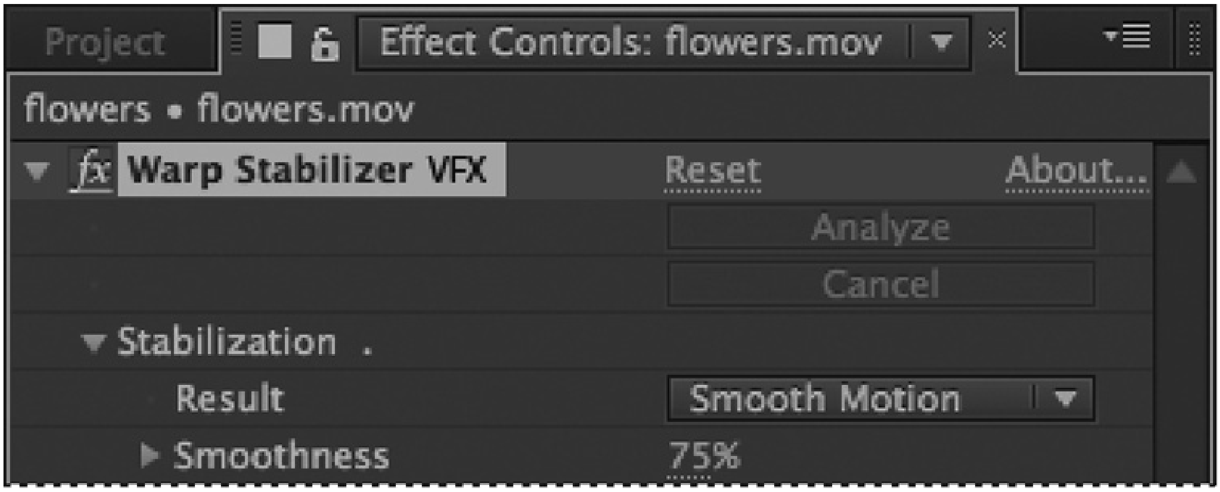
3. □□□□□□□□□□

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13.2.5 □□Warp Stabilizer VFX□□

□Effect Controls□□□□□□□□□□□□□□□□□□□

1. □Effect Controls□□□□□□Smoothness□□□75%□□□13.4□□13.5□□□



[illegible]13.4



[illegible]13.5

Warp Stabilizer VFX[illegible]

2. [illegible]Warp Stabilizer VFX[illegible]RAM[illegible]

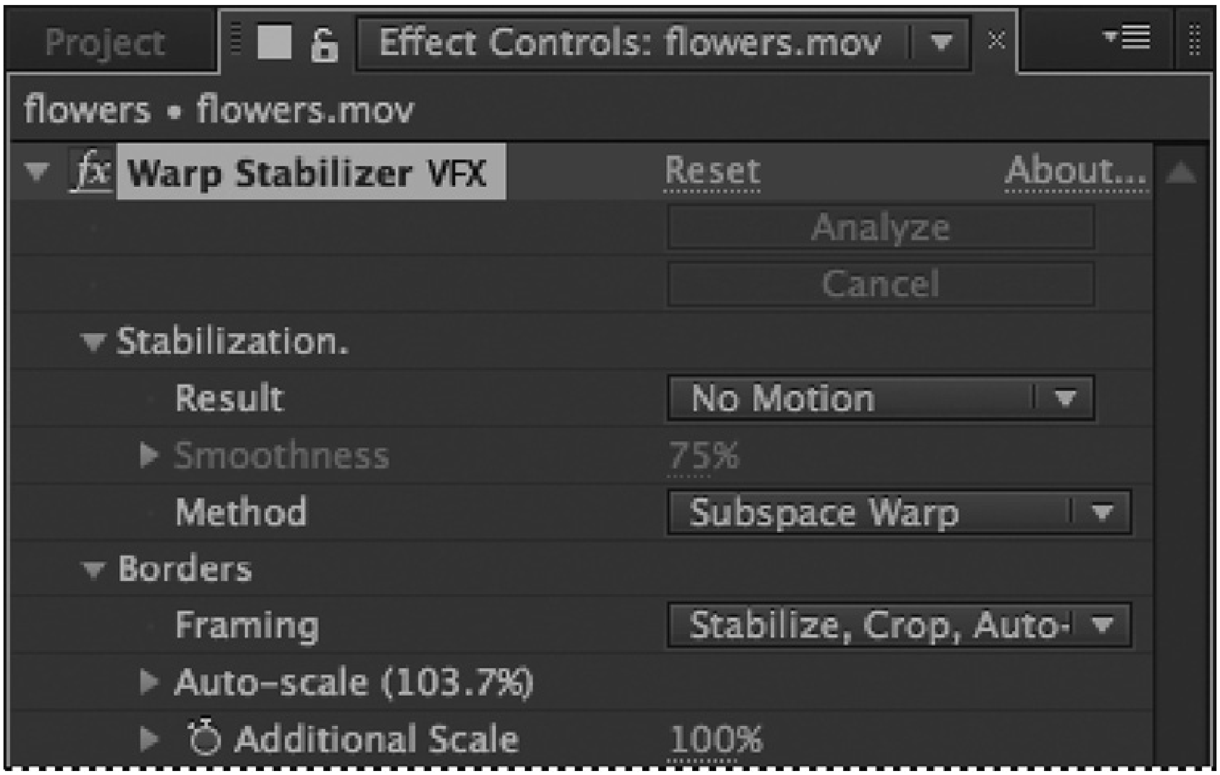
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□□□□□□□□□□□□□□□□Effect Controls□□□□Auto-scale□□□□□□□103.7%□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□Warp Stabilizer VFX□□□□□□□□□□□□□□□□□□□□

4. □Effect Controls□□□□□Result□□□□□No Motion□

□□□□□□□Warp Stabilizer VFX□□□□□□□□□□□□□□□□□□□□□□□No Motion□□□□Smoothness□□□□□□□□□□13.6□□□



□13.6

5. □□□□□□□□□□□□□□□RAM□□□□□□□□□□□□□

□□□Wrap Stabilizer VFX□□□□□□□□□□□□□112.4%□

13.2.6　□□□□

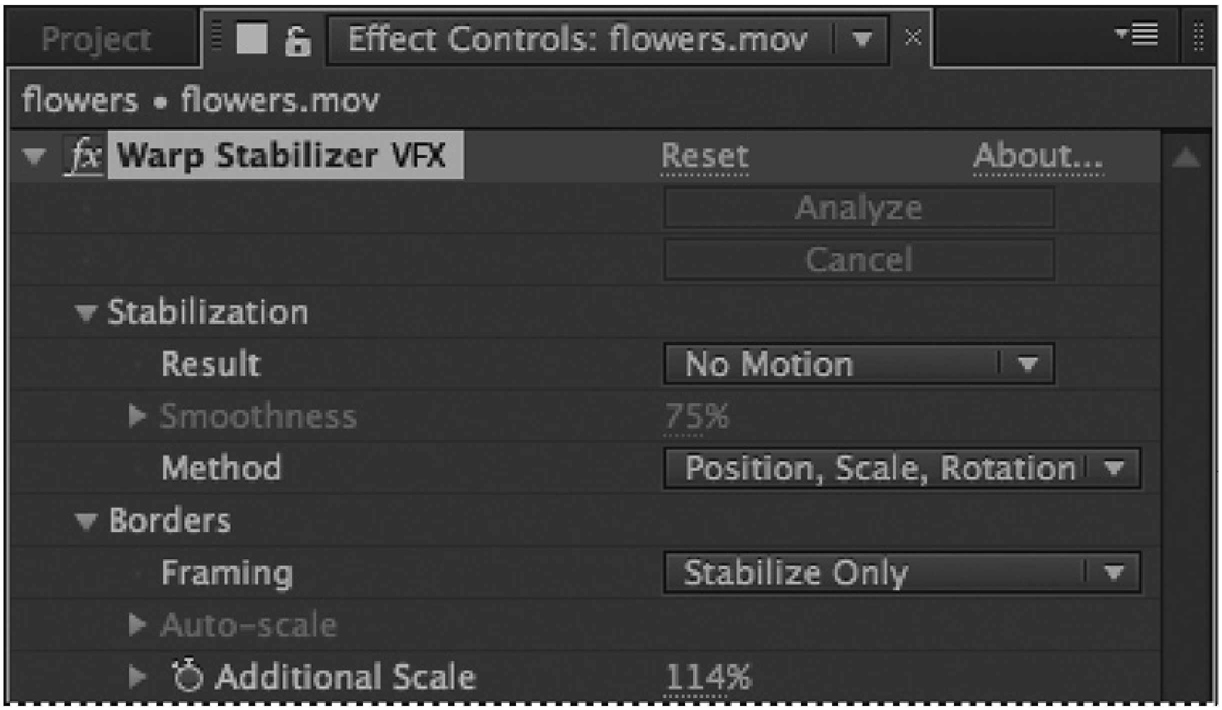
□□□5□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□Warp Stabilizer VFX□□□□□□□□□□□□

1. □Effect Controls□□□□□Method□□□□□Position□Scale□Rotation□

2. □Framing□□□□□Stabilize Only□

3. □Additional Scale□□□114%□□□13.7
□□□



□13.7

> □□□
>
> □□□□□□□□□□□□□□□□□□□□□□□□□□□□15%□□□□

4. □□□□□RAM□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□

5. □□□□□□□□□□□□□□

6. □□File > Save□□□□□

7. [illegible]File > Close Project[illegible]

[illegible]

> **Warp stabilizer VFX[illegible]**
>
> [illegible]Warp Stabilizer VFX[illegible]After Effects[illegible]
>
> - Result[illegible]Smooth Motion[illegible]Smoothness[illegible]
> - Method[illegible]Warp Stabilizer VFX[illegible]Subspace Warp[illegible]
> - Borders[illegible]
> - Auto-scale[illegible]
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[illegible]:

[illegible]Warp Stabilizer VFX[illegible]Adobe Press[illegible]Adobe After Effects CC Visual Effects[illegible]Compositing Studio Techniques[illegible]

13.3 [illegible]

[illegible]After Effects[illegible]

□□□□□□□□After Effects□□□□□□□□□□□□□□□□□□□□Transform□□Position□□□□□□□□□□□□□□□□□□□□□□□□□□Rotation□□□□

□□

13.3.1 □□□□

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1. □□After Effects□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□□OK□□□

2. □□Close□□□□Welcome□□□

After Effects□□□□□□□□□□□□□□□□□

3. □□File>Save As>Save As□□□

4. □Save Project As□□□□□□□□AECC_CIB\Lessons\Lesson13\Finished_Project□□□□

5. □□□□□□□Lesson13_Tracking.aep□□□□□Save□□□

13.3.2 □□□□□□

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1. □□Project□□□□□□□□□□□□Import File□□□□

2. □□□AECC_CIB/Lessons/Lesson13/Assets□□□□□□metronome.mov□□□□□□□Import□Open□□□

3. □Project□□□□□□metronome.mov□□□□□□□□□Crate A New Composition□□□□

After Effects□□□□□□Metronme□□□□□□□□□□□□□□□□□□□□□□□□
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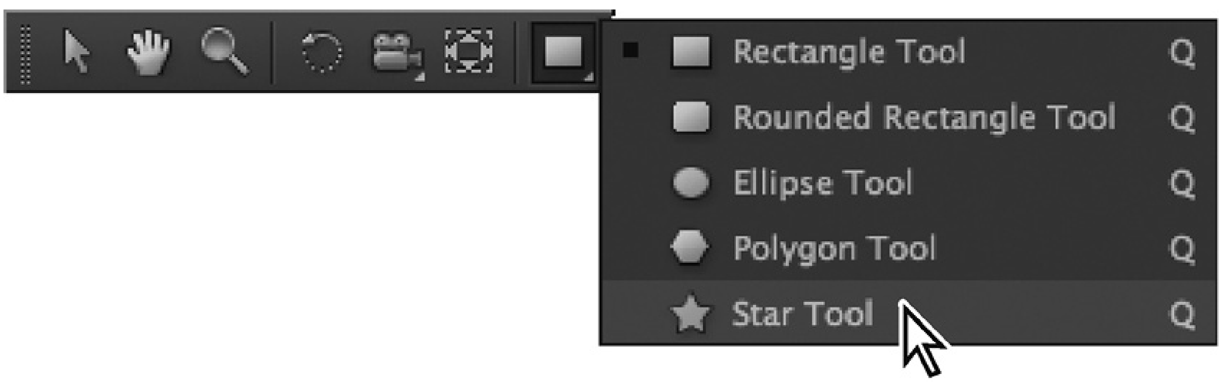
4. □□□□□□□□□□□□□□□□□□□□□□

13.3.3 □□□□□

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1. □Home□□□□□□□□□□□□□□□□□□□□□□□□□□Timeline□□□□□□□
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2. □Tools□□□□□Star□□□ □□□□□Rectangle□□□□□□□□13.8□
□□

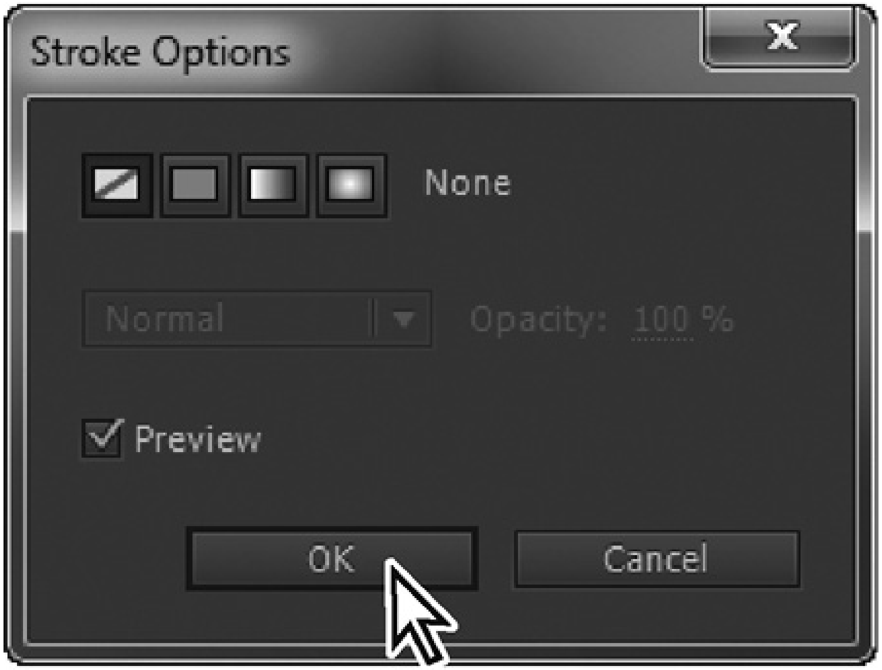


□13.8

3. □□Fill Color□□□□□□□□□□R=220□G=250□B=90□□□□□□
Stroke
□□□□□□Stroke Options□□□□□□□□□□□□None□□□OK□□□□□13.9□□
13.10□□□



□13.9



□13.10

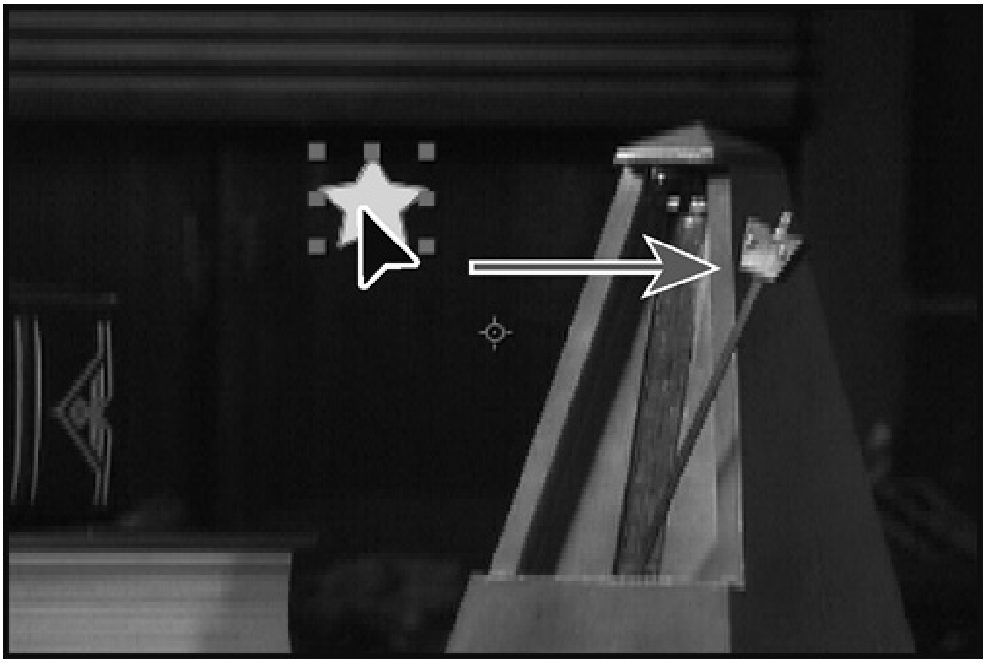
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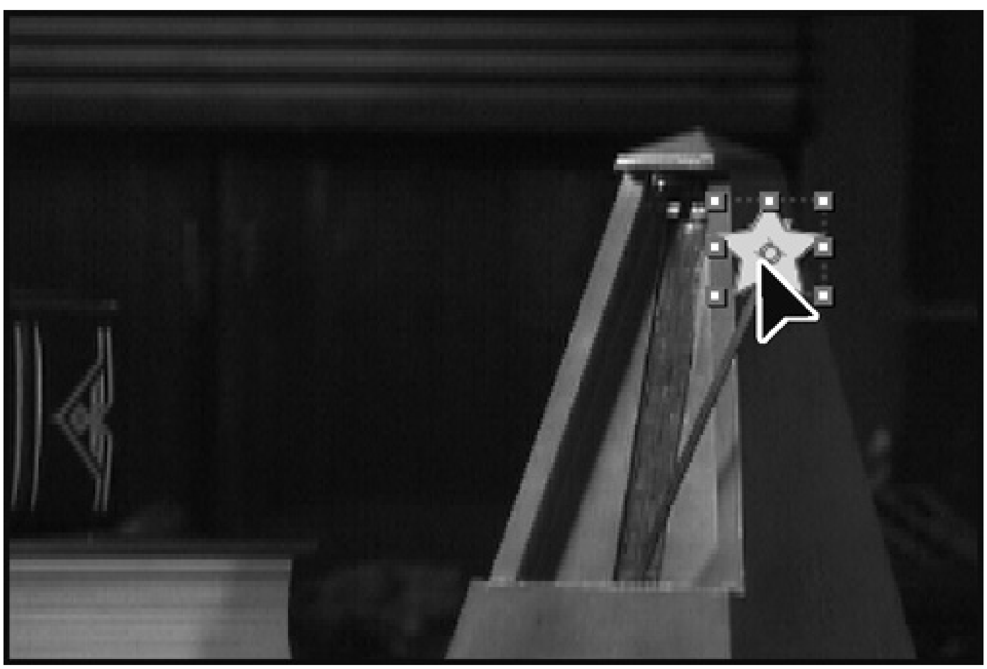
□13.11

5. □□Selection□□□□□□□□□□□□□□□□□□□□□

6. □□Shape Layer 1□□□□□□□□□□□□□□□Pan Behind□□□□□□□□
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□13.12



□13.13

13.3.4 □□□□□

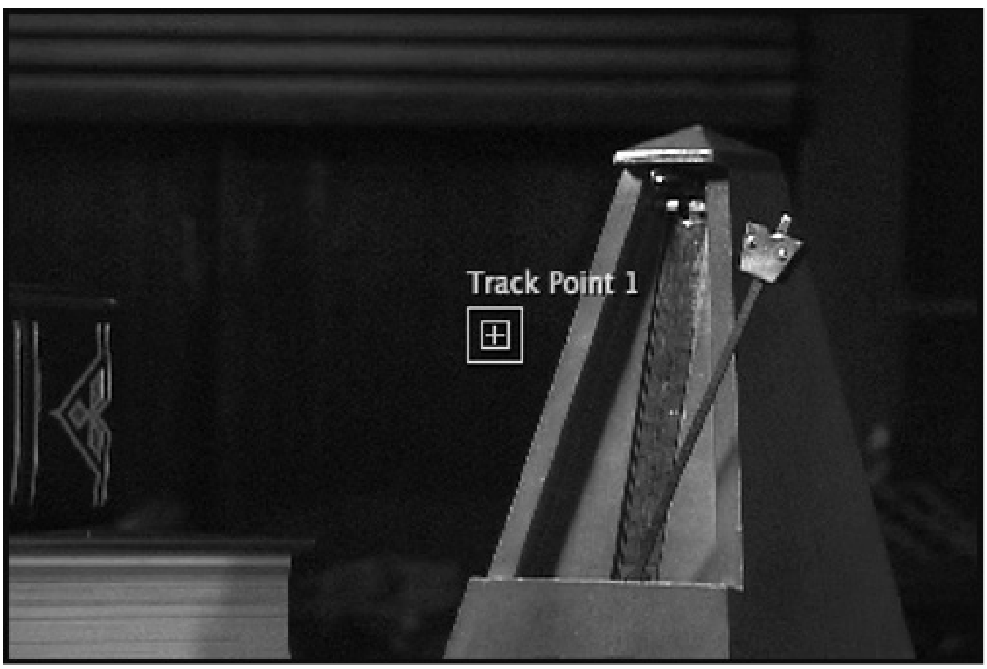
After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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Layer□□□□□□□

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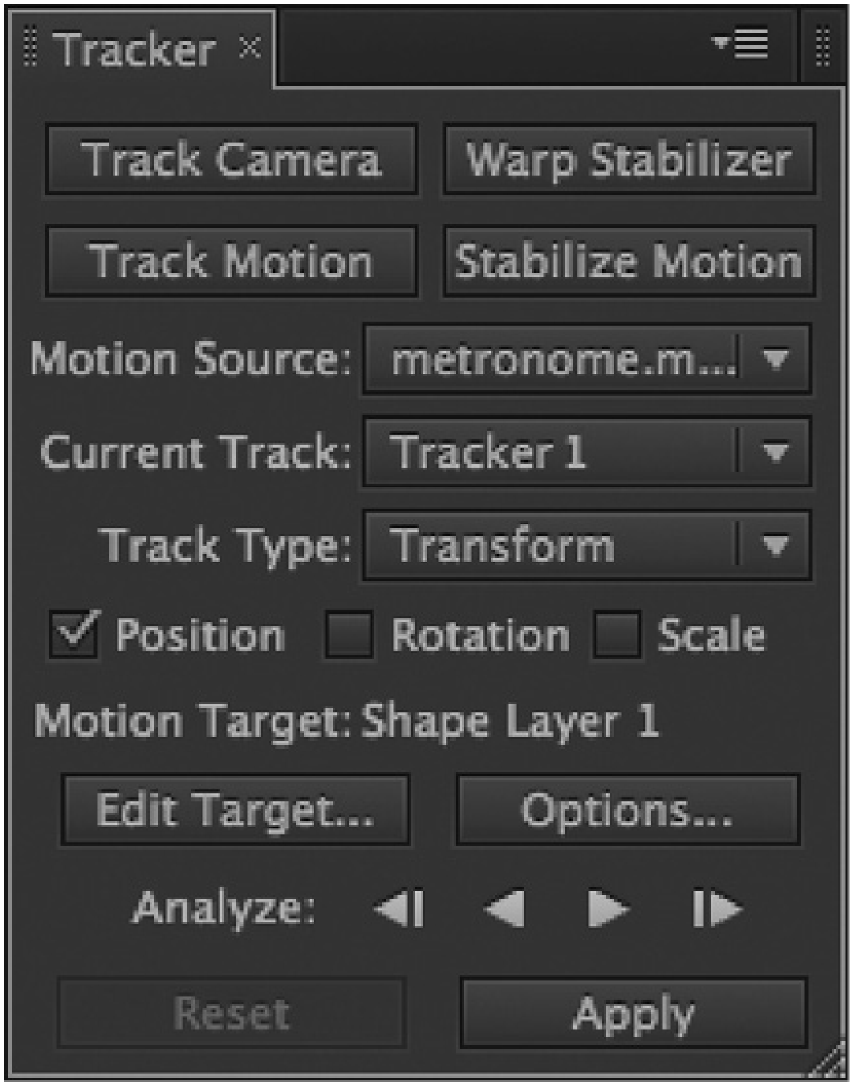
1. □Timeline□□□□metronome.mov□□

2. □□Animation > Tracker□□

Tracker□□□□After Effects□□□□□□□□□□□Track Point 1□□
□□□□□□□13.14□□13.15□□



□13.14



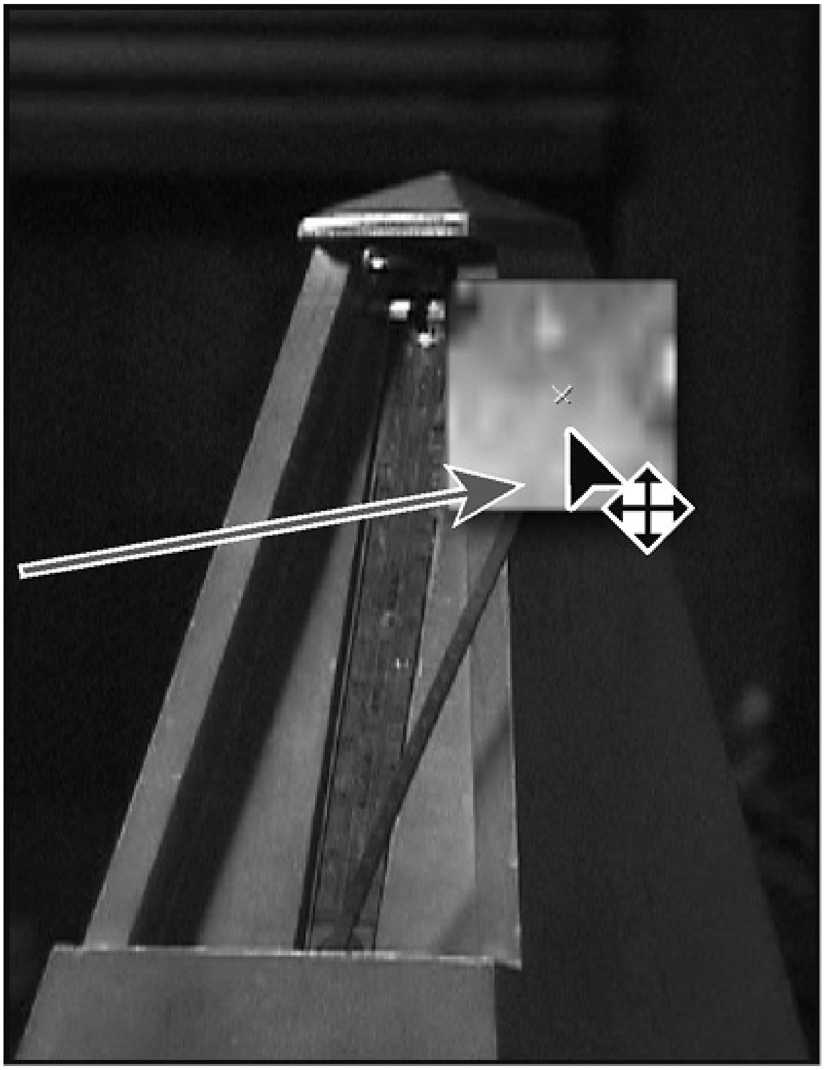
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[illegible]

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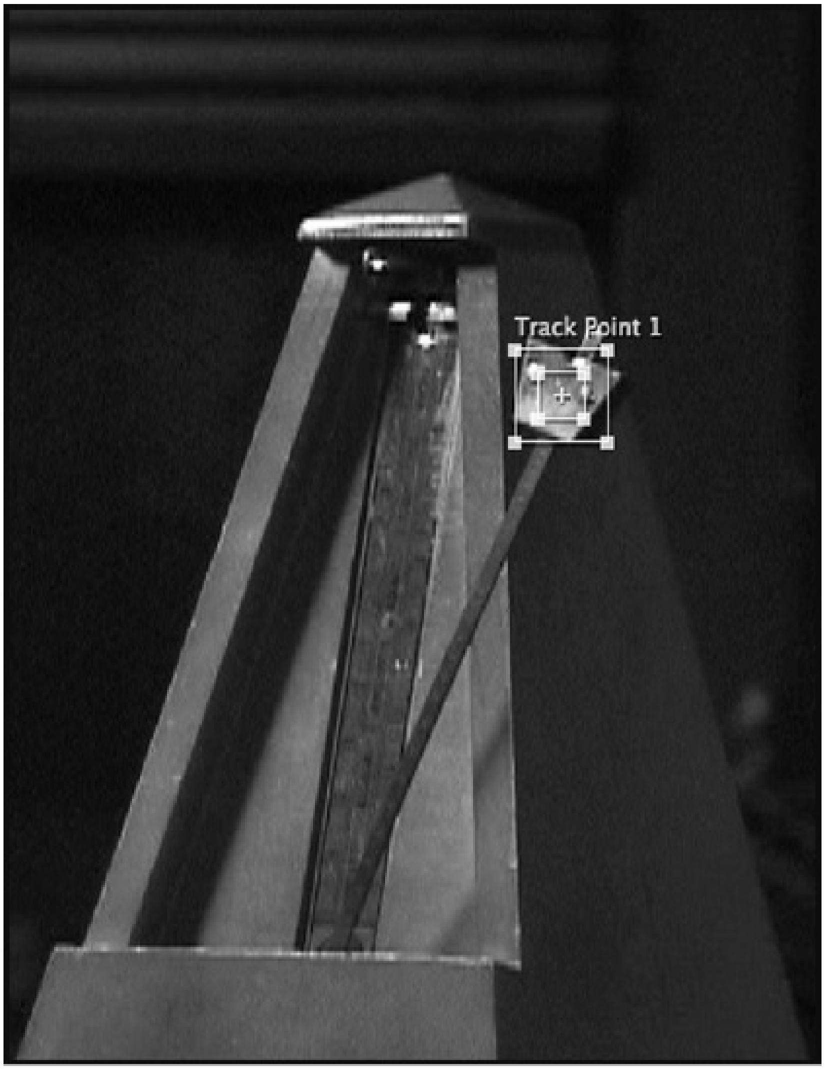
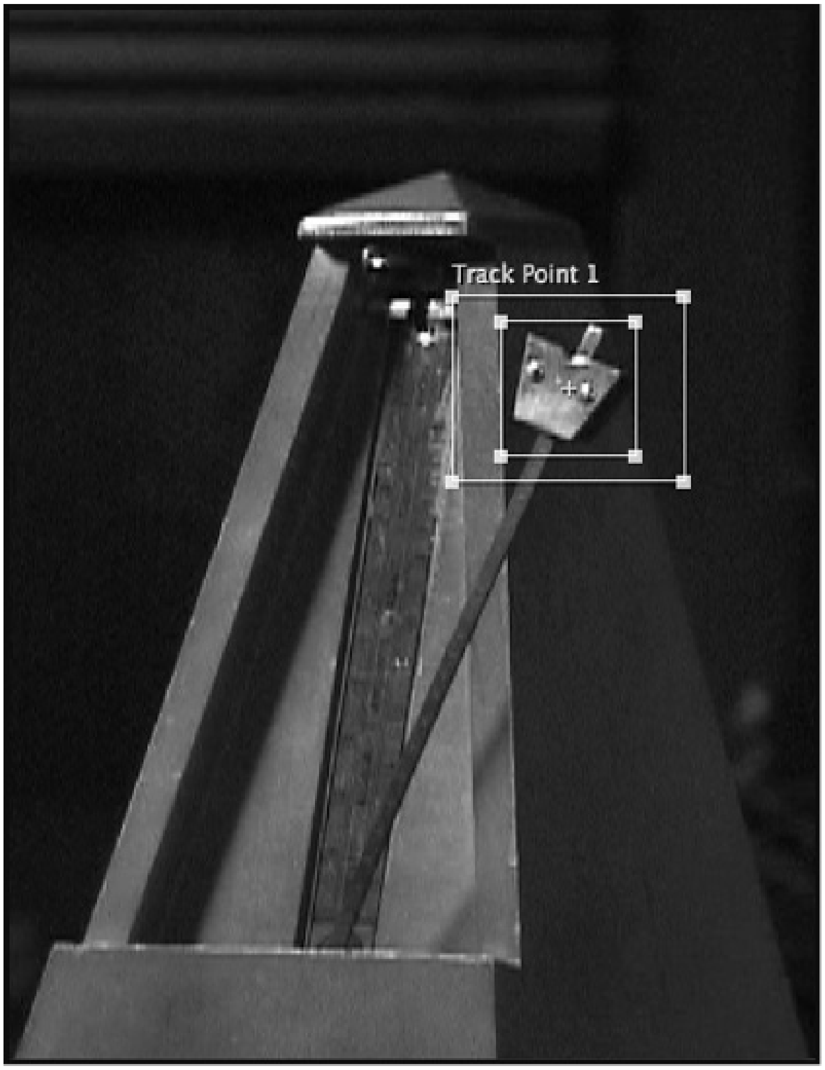


图13.17



□13.18

□□□

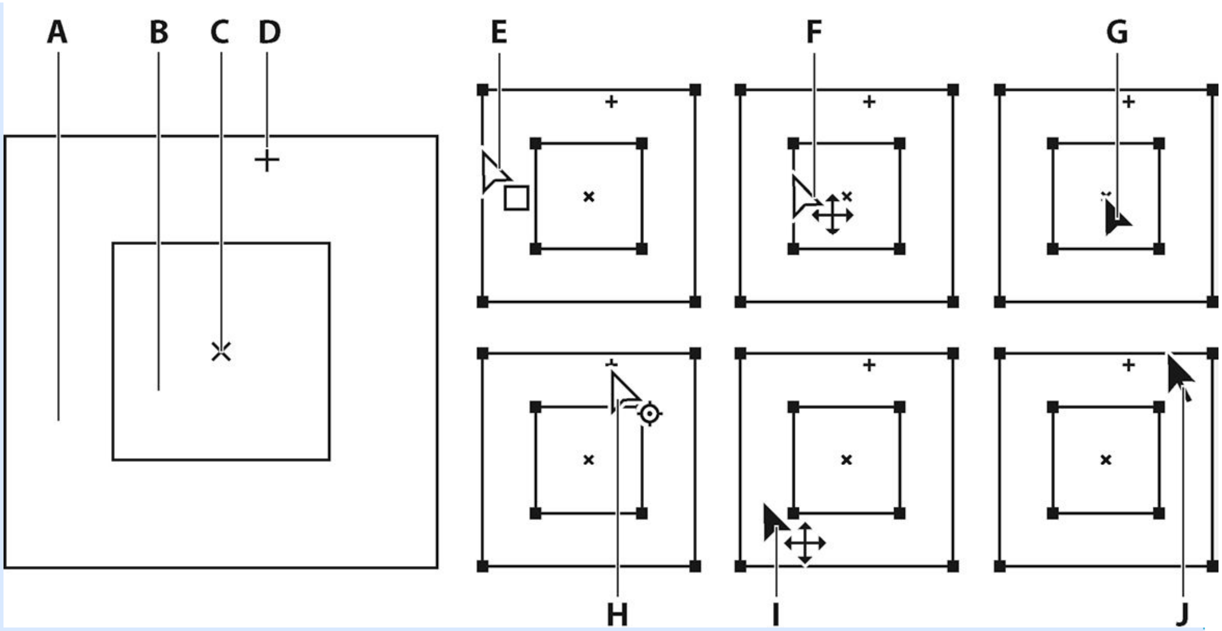
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□□Selection□□□□□□□□□□□□

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□13.19

□□□□□□□□□Selection□□□□□□□□

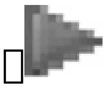
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- □Tracking□□□□□□□Magnify Feature When Dragging□□
- □□□□□□□□□□□□□□Selection□□□□□□□□□□□□□□□□□□Move Search Region□□□□□□□□□□□ □□□□13.16□□E□□
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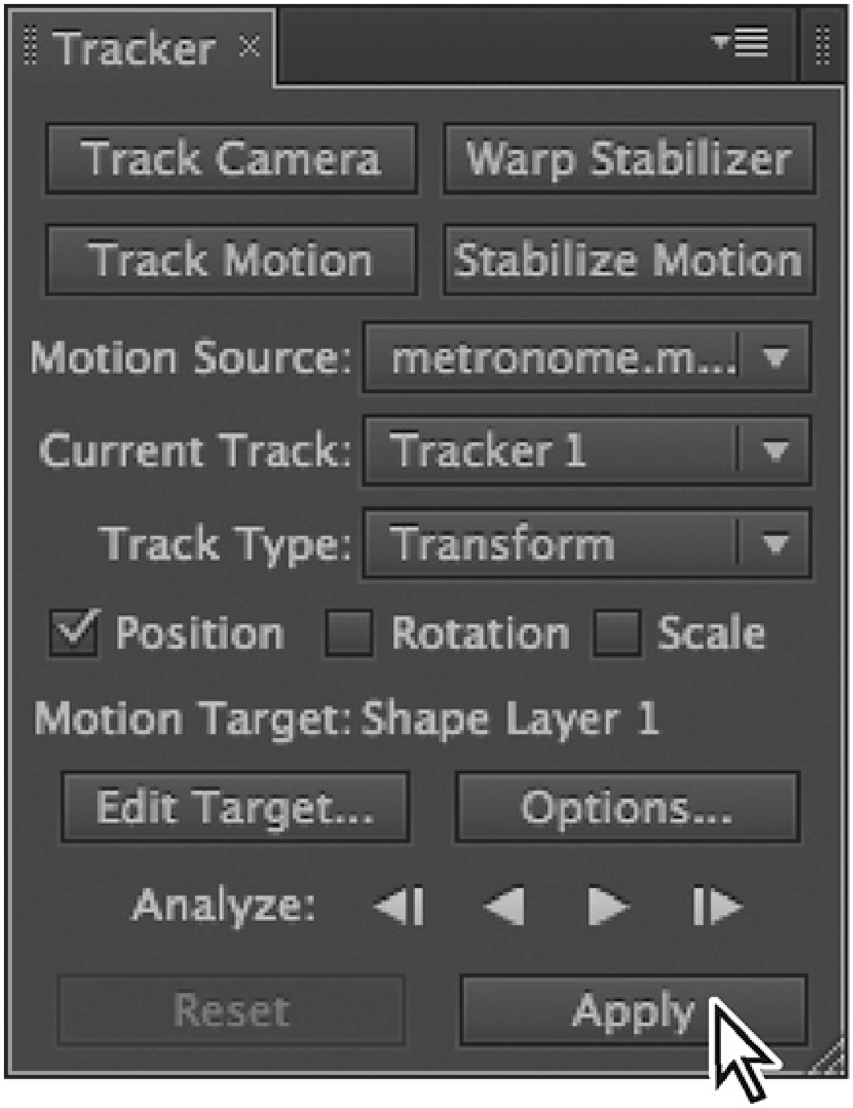
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[illegible]

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> [illegible]
>
> [illegible]After Effects[illegible]

2. [illegible]Apply[illegible]13.20[illegible]



□13.20

3. □Motion Tracker Apply Options□□□□□□□OK□□□□*x* □*y* □□□□□□□□□□13.21□□□



[illegible]13.21

[illegible]

[illegible]

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2. [illegible]Layer[illegible]

3. [illegible]

4. [illegible]Analyze Forward[illegible]

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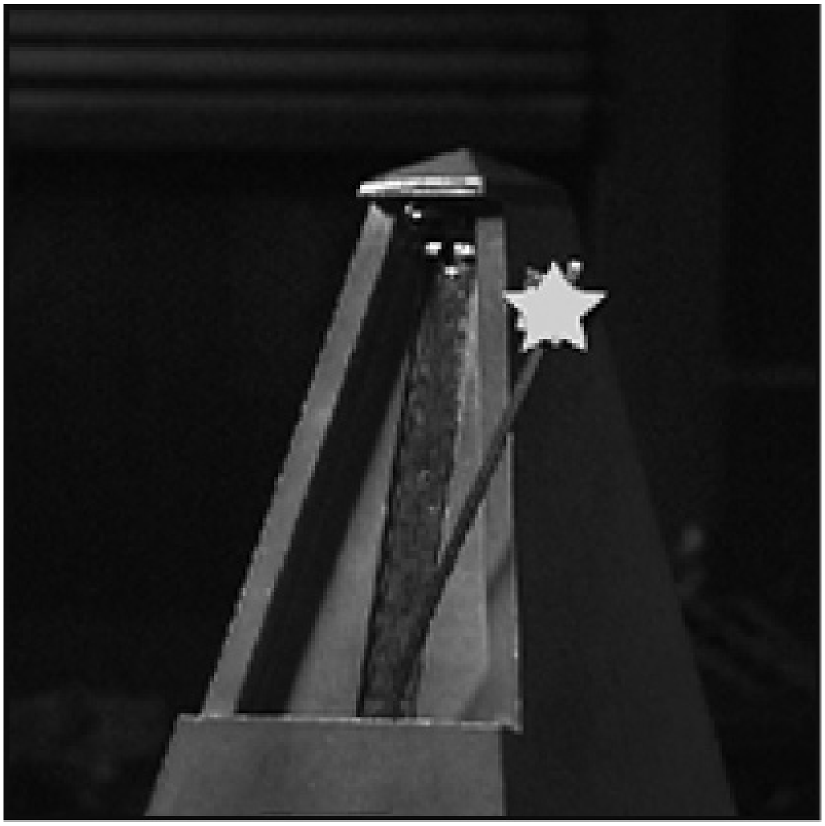
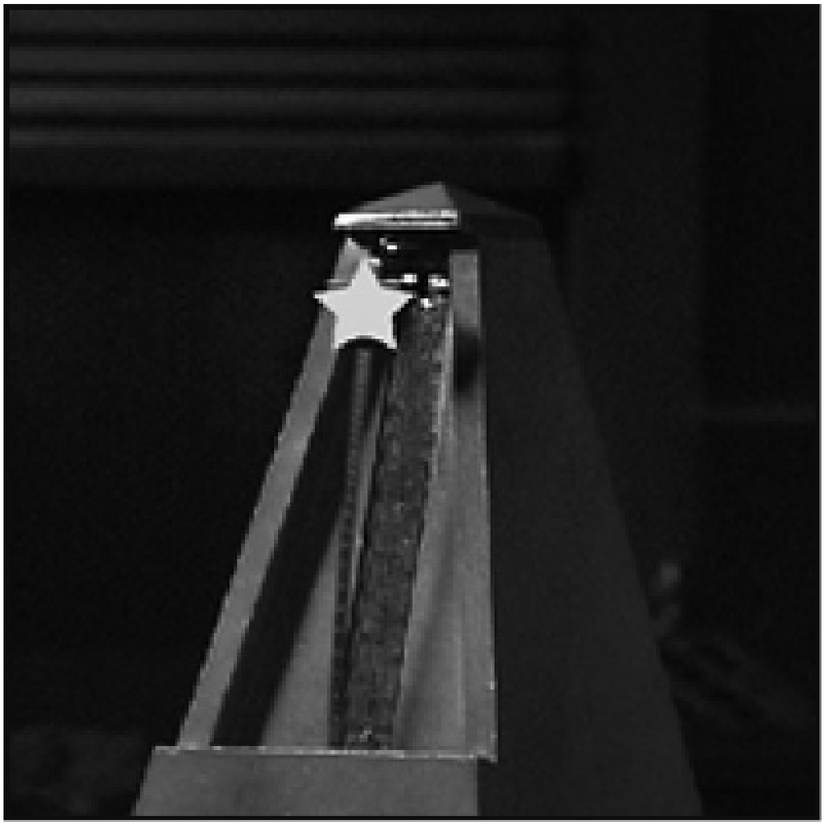


图13.22



□13.23



□13.24

5. □□□□□□□□□□□□□□□

6. □□Timeline□□□□□□□□□□□□□□File>Save□□□□□□□□
File>Close Project□□□

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13.4 □□□□

After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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□□□□□□□□□□□□□□□□□□□□□□□4□□□□Corner Pin□□□□□□□□□□□□□□□4□□□□□□□□□□□□□□□□□□□□□□

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1. □□□□□□After Effects□□□□□□□□□□After Effects□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□OK□□□□□Close□□□□Welcome□□□

After Effects□□□□□□□□□□□□□□□□

2. □□File>Save As > Save As□□□

3. □Save Project As□□□□□□□□AECC_CIB\Lessons\Lesson13\Finished_Project□□□□

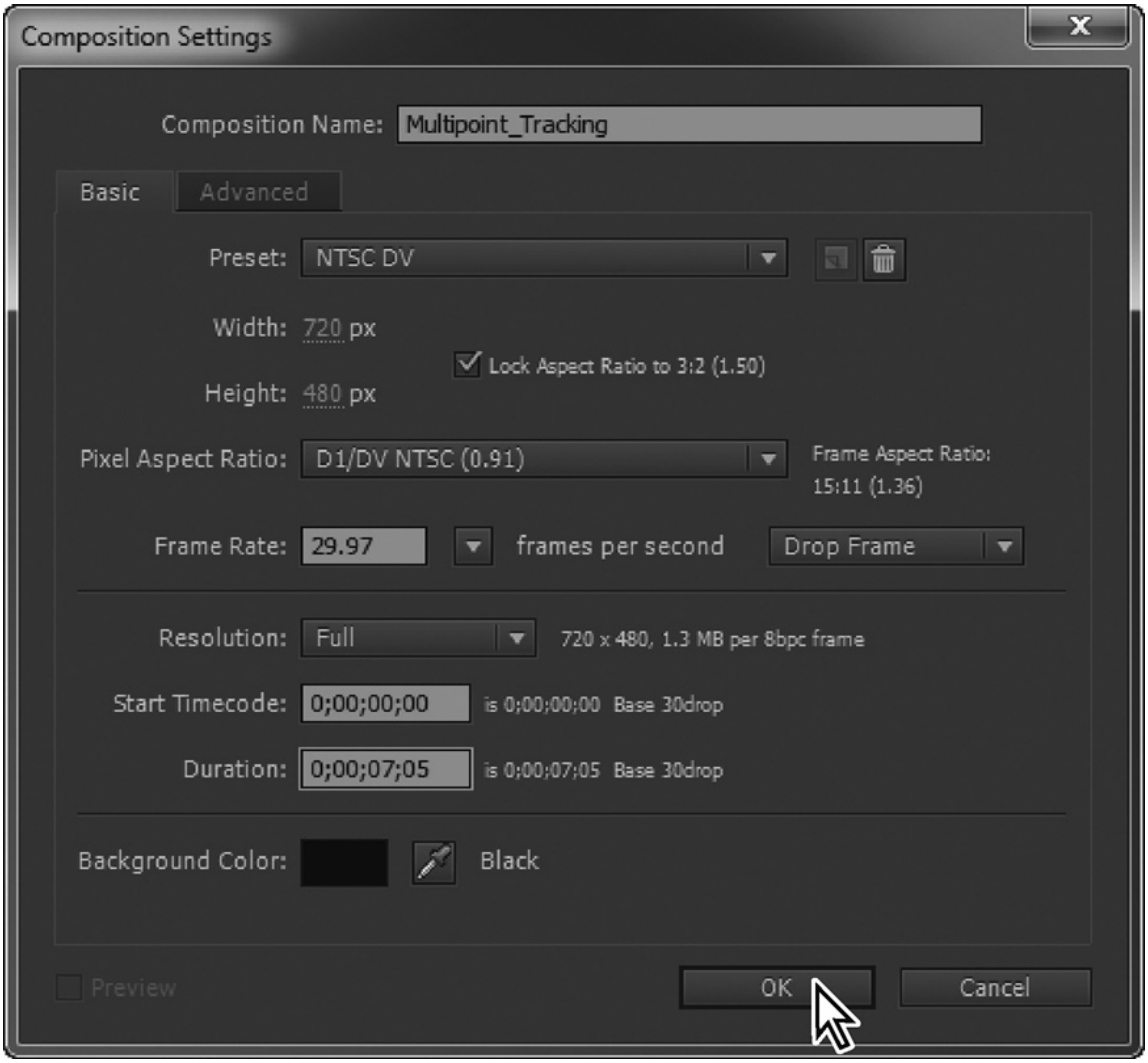
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5. □□Project□□□□□□□□□□□Import File□□□□□□□AECC_CIB\Lessons\Lesson13\Assets□□□□

6. □□Ctrl□□□□Windows□□□□Command□□□□Mac OS□□□□majorspoilers.mov□multipoint_tracking.mov□□□□□□Import□Open□□□

7. □Ctrl+N□Windows□□Command+N□Mac OS□□□□□□□□□□□

8. □Composition Settings□□□□□□□□□□□□□□□□□OK□□□□□13.25□□□



□13.25

- □Composition Name□□□□□Multipoint_Tracking□
- □□Preset□□□□□□□□NTSC DV□
- □Duration□□□7:05□majors poilers.mov□□□□□□

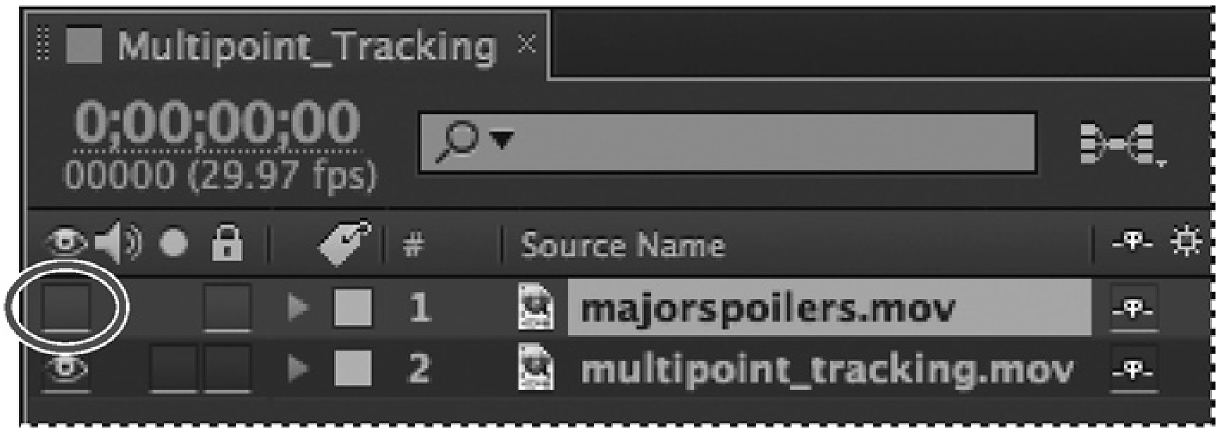
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□□□□□majorspoilers.mov□□

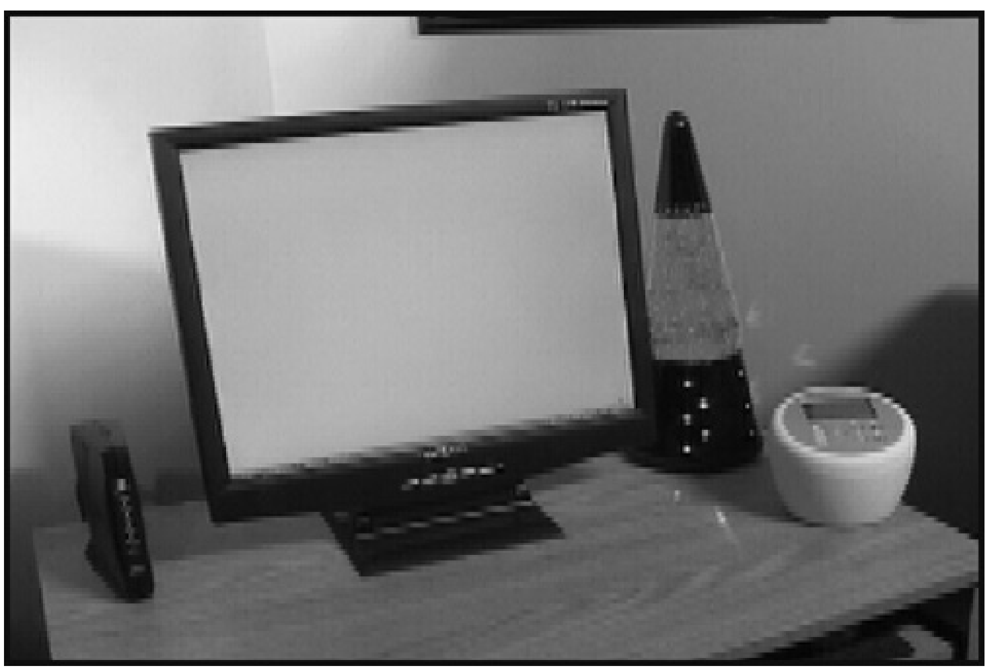
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11. □majorspoilers.mov□□□Project□□□□Timeline□□□□□□□□□□□□□□□

12. □□□□□□□□□□□□□□□□Timeline□□□□□majorspoilers.mov□□□Video□□□□13.26□□13.27□□□



□13.26



□13.27

13.4.2 □□□□

□□□□□□multipoint_tracking.mov□□□□□□□□□

1. □Timeline□□□□□multipoint_tracking.mov□□□

2. □□Window> Tracker□□□□□Tracker□□□□□□□□□□□□□□

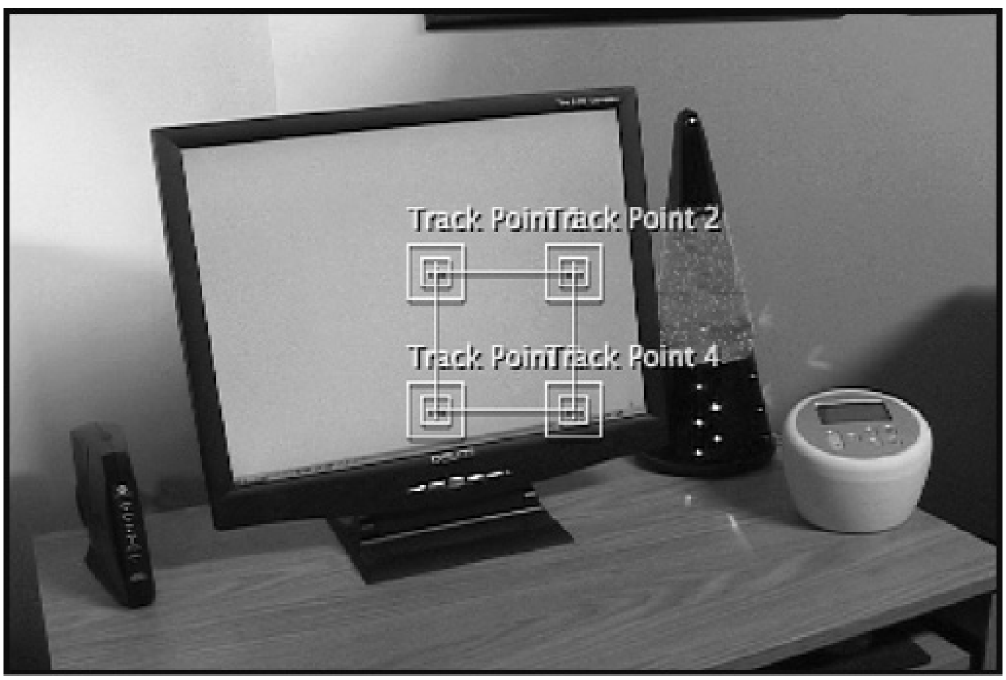
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multipoint_tracking.mov□

4. □□□□multipoint_tracking.mov□□□□□□□Track Motion□□□

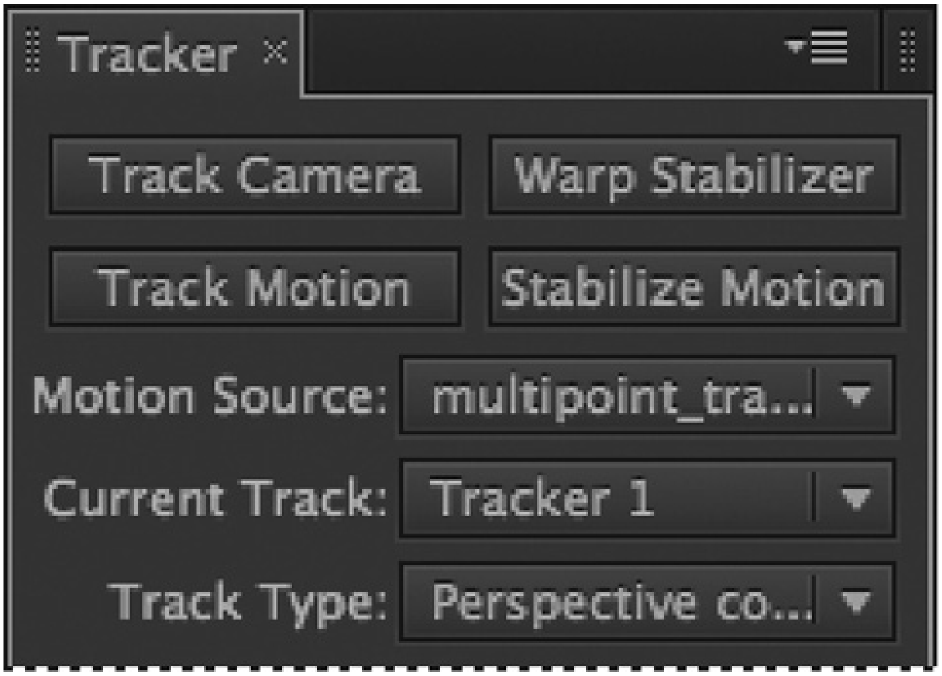
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□□□□□□□□□□□

5. □Track Type□□□□□□□Perspective Corner Pin□

Layer□□□□□□□□3□□□□□□□□□13.28□□13.29□□□

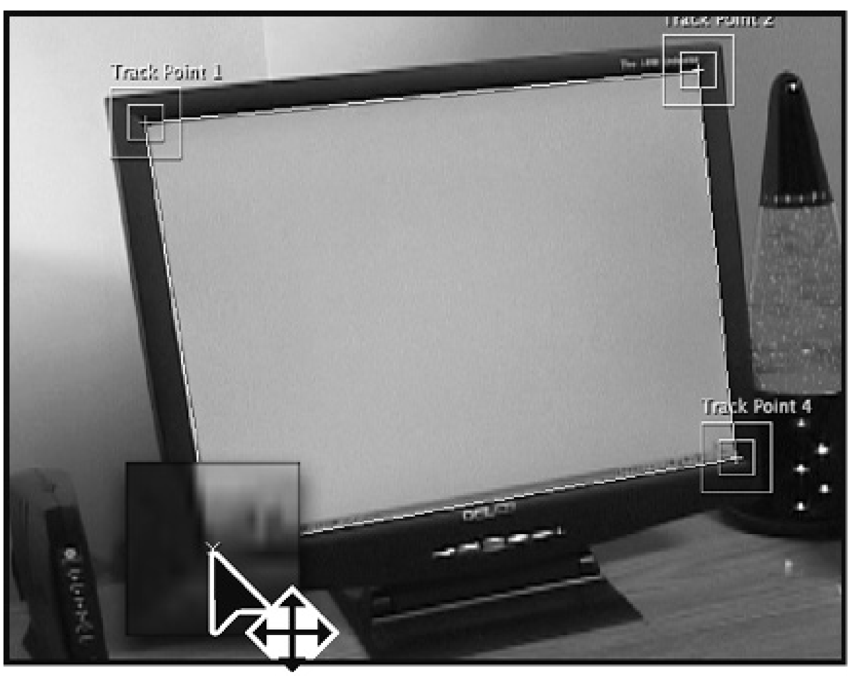


□13.28

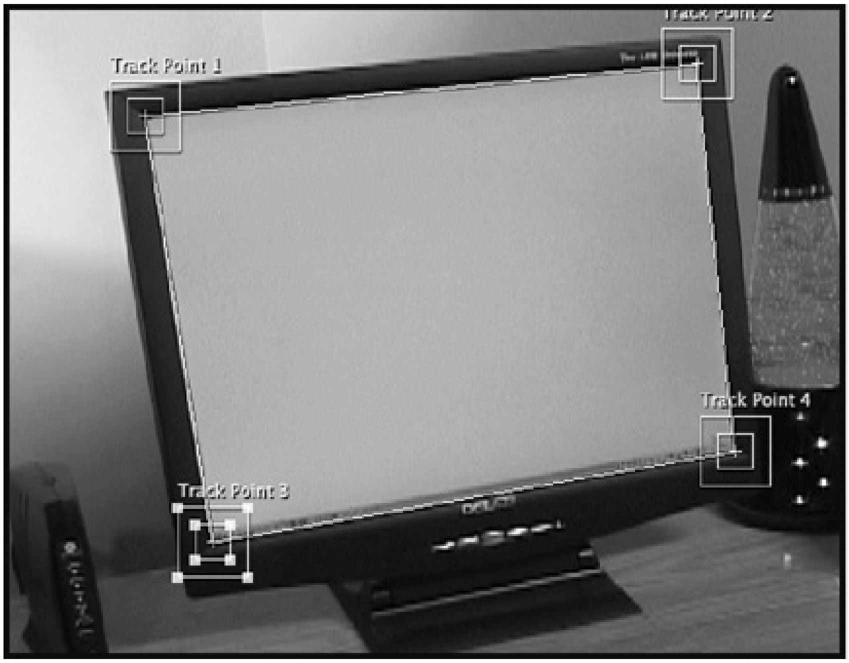


[illegible]13.29

6. [illegible]4[illegible]4[illegible]13.30[illegible]13.31[illegible]majorspoilers[illegible]



[illegible]13.30



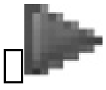
[illegible]13.31

> **[illegible]:**
>
> [illegible] “[illegible]”[illegible]

> **[illegible]:**
>
> [illegible]

13.4.3 [illegible]

[illegible]

1. [illegible]Tracker[illegible]Analyze Forward[illegible][illegible]Apply[illegible]

2. [illegible]Timeline[illegible]majorspoilers[illegible]Corner Pin[illegible]Position[illegible]motion_tracking[illegible]

[illegible]

□□mposition□□□□□□□□□□□□□□□□□Timeline□□□□□□□□□□□□□□□□□□□□□

3. □□□majorspoilers□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
RAM□□□□□□□□□□□□

4. □□□□□□□□□□□□□□□

□□□□□□□□□□□□□Tracker□□□□□Reset□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□

5. □□□□□□□□□□Timeline□□□□□□□□□□File>Save□□□□□□□

6. □□File > Close Project□□□

Mocha for After Effects

□□□□□□□□Imagineer Systems□□□mocha□□□□□□□□□□□□□□□□□□□□□□Mocha for After Effects□□□□□□□□After Effects CS5□□□□□mocha□□□□□

□□Mocha for After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□Mocha for After Effects□□

□□Mocha for After Effects□□After Effects□□□□

Mocha for After Effects□□□□□□□□□□□□□□X□□□Bezier□□□□□□□□□□X□□□□□□□□□□□□□□□□□□□□□□□□□□□Bezier□□□□□□□□□□□□□□□□□□□□□

□□□□□mocha for After Effects□□□□□□□□mocha□□□□□□Help > Manual□□□□□□□

□□□□□□□□□□□□□□□□□□□□mocha for After Effects□□□□□□□□□□□□□□□

□After Effects□□□□□□□□□□□□□□□□□□□

1. □After Effects□□□□□□□□□□Lesson13/Assets□□□□□

majorspoilers.mov□mocha_tracking.mov□□□□□

mocha_tracking.mov□□□□□□□□□□□□□□□□Timeline□□□□

majorspoilers.mov□□□□□□□□□□□□□□

2. □□□WordPad□TextEdit□□□□□□□Windows□□□□□□□Notepad□□□

□□□□mocha□□□□□□□□□After Effects□□□□□□□□□□□□□□□□

mocha_data.txt□□□□□Lesson 13/Optional_Mocha_Tutorial□□□□□□□

Edit > Select All□□□□□□□Edit > Copy to□□□□□□□□□□□

3. □Timeline□□□□□majorspoilers.mov□□□□□Edit > Paste□□□□□□

□□□□□□□□□□□

4. □□RAM□□□□□□

13.5 □□□□□□□□

After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□——CC Particle Systems II□CC Particle World——□□□□□□□□□□□□□□□□□□□□□□□□□□Particle World□□□3D□□□□□□□2D□□□□□□□□□□

□□□□□□□□□□□□□CC Particle Systems II□□□

13.5.1 □□□□

□□□□After Effects□□□□□□

1. □□□□□□After Effects□□□□□□□□□□□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□□□□□□□□OK□□□□□□Close□□□□Welcome□□□

After Effects□□□□□□□□□□□□□□□□

2. □□File>Save As>Save As□□□

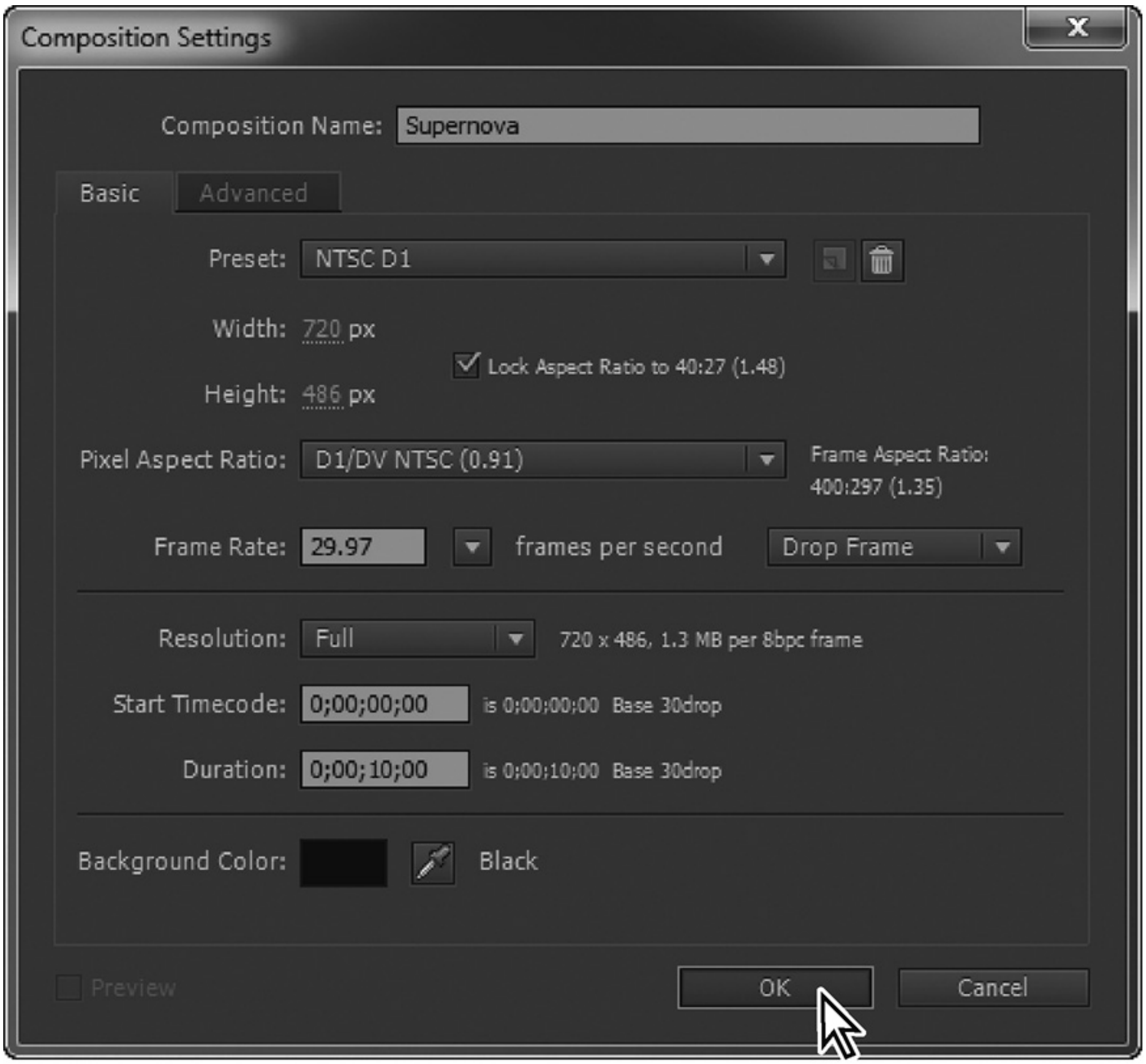
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AECC_CIB\Lessons\Lesson13\Finished_Project□□□□

4. □□□□□□□Lesson13_Particles.aep□□□□□Save□□□

□□□□□□□□□□□□□□□□□□□□□□□□□

5. □After Effects□□□Ctrl+N□Windows□□Command+N□Mac OS□□□□

6. □Composition Settings□□□□□□□□□□□□□□□OK□□□□
13.32□□□



□13.32

- □Composition Name□□□□□Supernova□
- □Preset□□□□□□NTSC D1□
- □Duration□□□□□10:00□

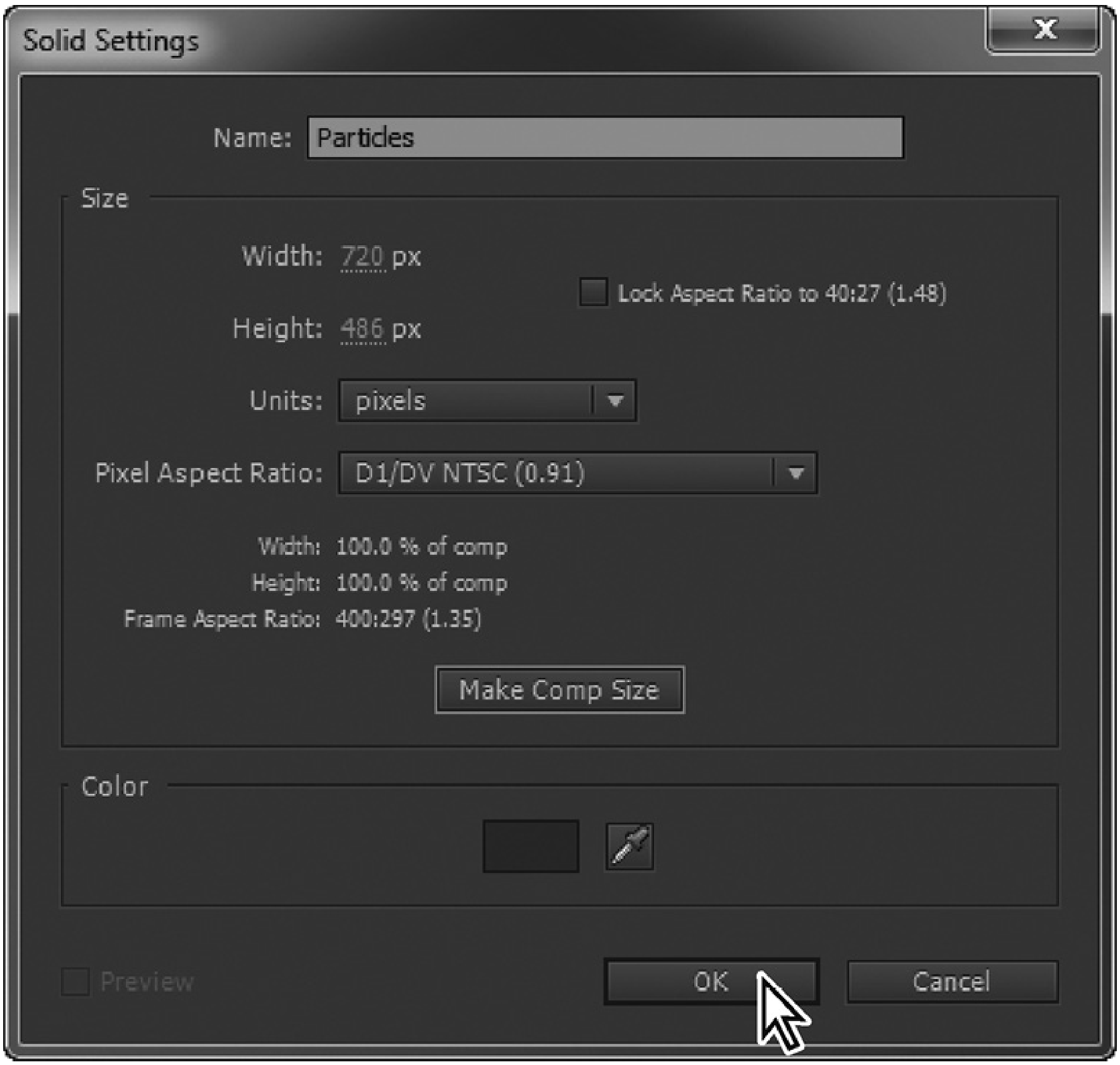
13.5.2 □□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □□Layer>New>Solid□□□□□□□□□□□□

2. □Solid Settings□□□□Name□□□□□Particles□

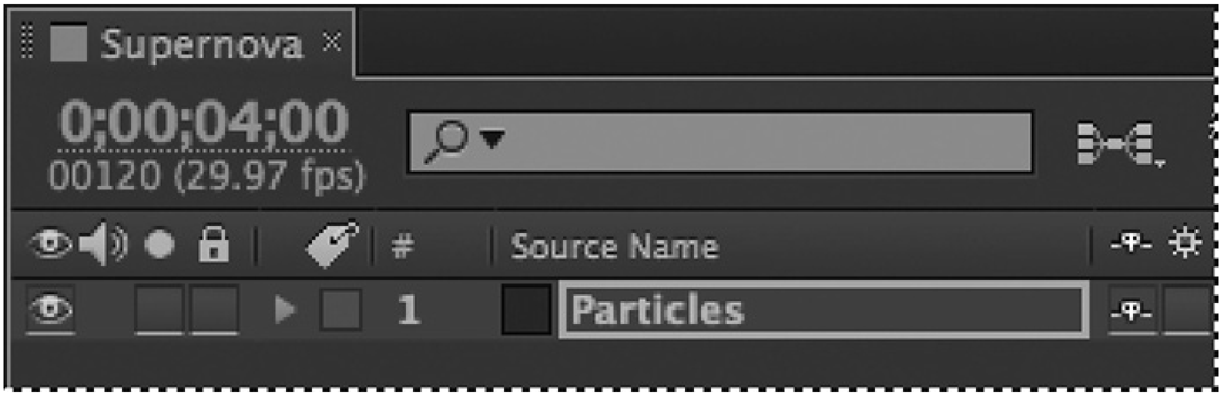
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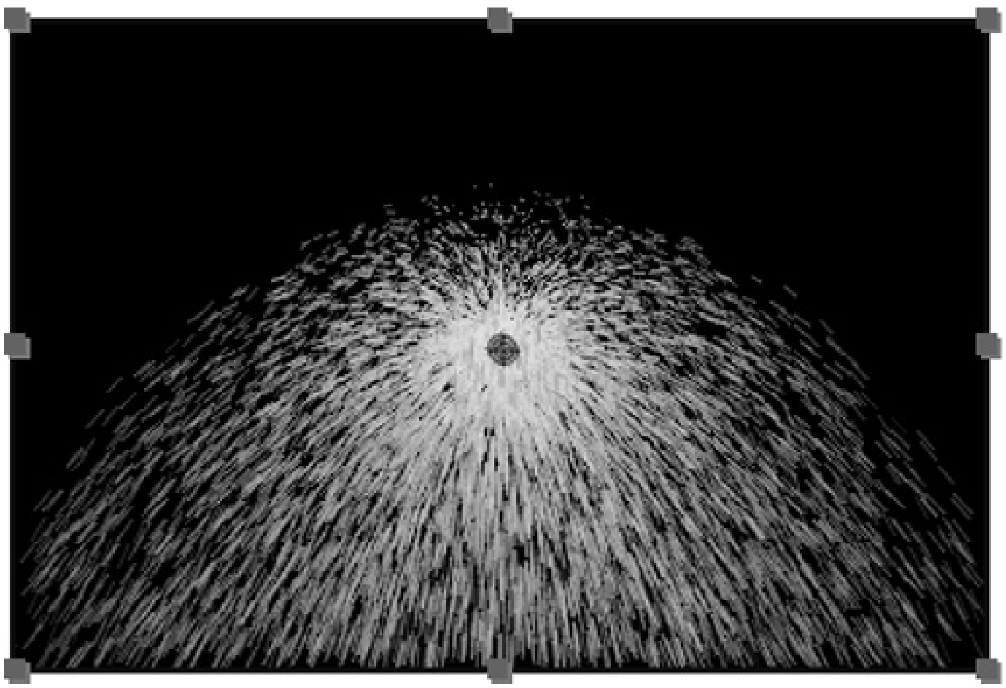
□13.33

4. □□Timeline□□□□Particles□□□□□□Effect>Simulation>CC Particle Systems II□□□

5. □□□4:00□□□□□□□□□13.34□□13.35□□□



□13.34



□13.35

□□□□Composition□□□□□□□□□□□□□□□□□

13.5.3 □□□□□□□

□□□□□□□Effect Controls□□□□□□□□□□□□□□□□□□□□□□□□□□□

1. □Effect Controls□□□□□Physics□□□□Animation□□□□Explosive□□Gravity□□□□□□□□□0.0□□□13.36□□13.37□□

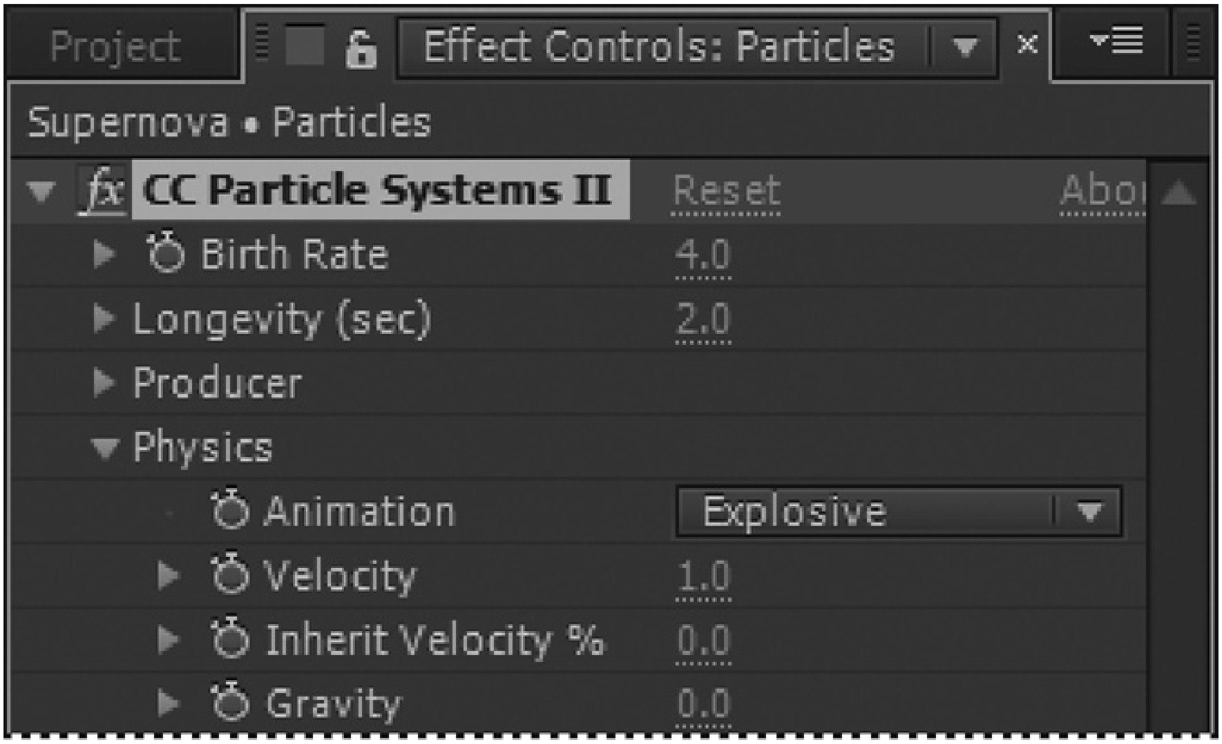

Project
Effect Controls: Particles
Supernova • Particles
CC Particle Systems II
Reset
Birth Rate
4.0
Longevity (sec)
2.0
Producer
Physics
Animation
Explosive
Velocity
1.0
Inherit Velocity %
0.0
Gravity
0.0

图13.36

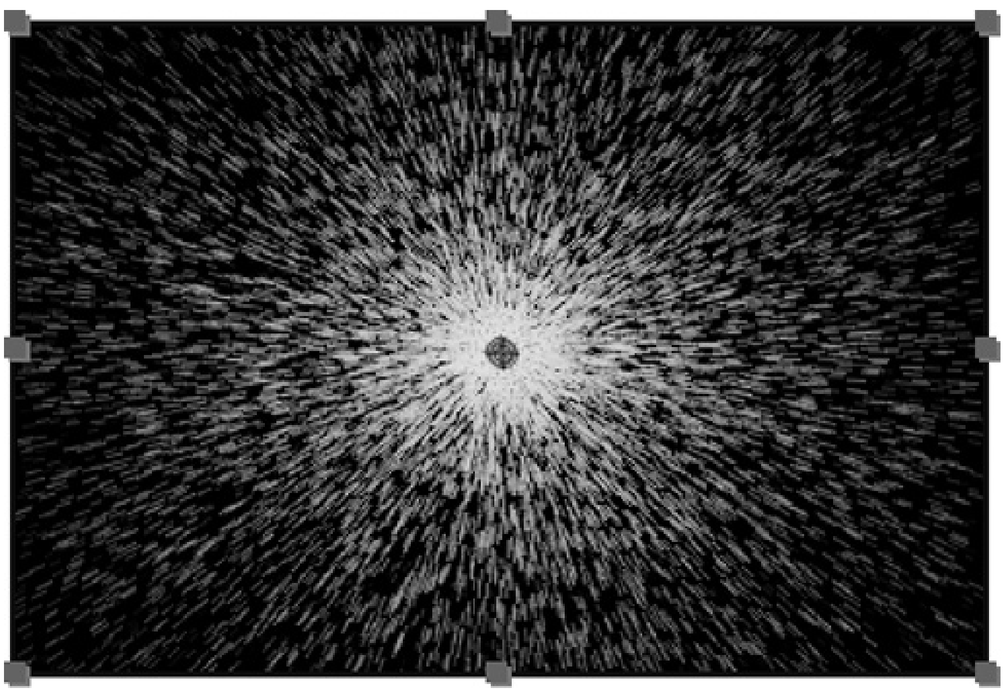


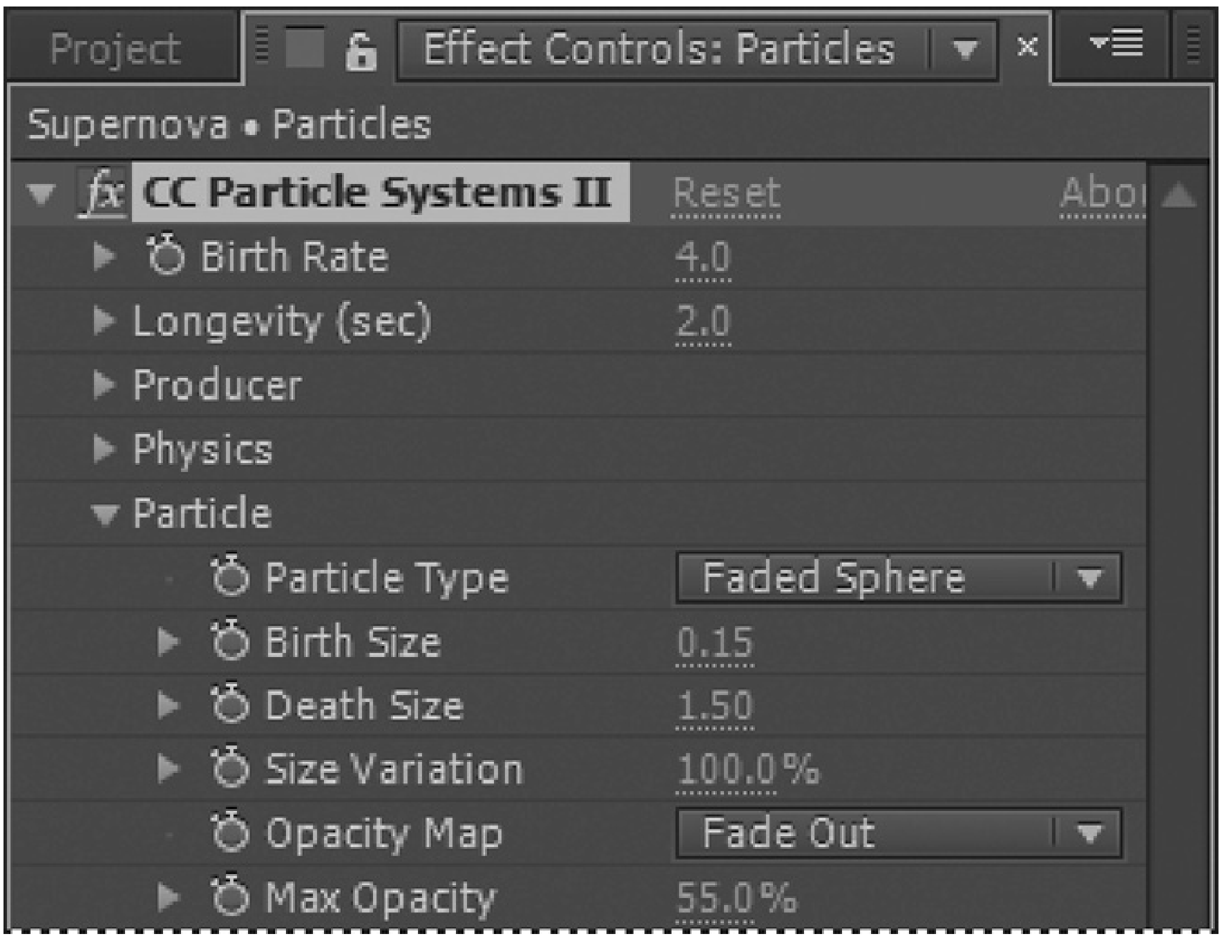
图13.37

2. □□Physics□□□□□□□Particle□□□□□□□□Particle Type□□□□□□□Faded Sphere□□□□□□□□

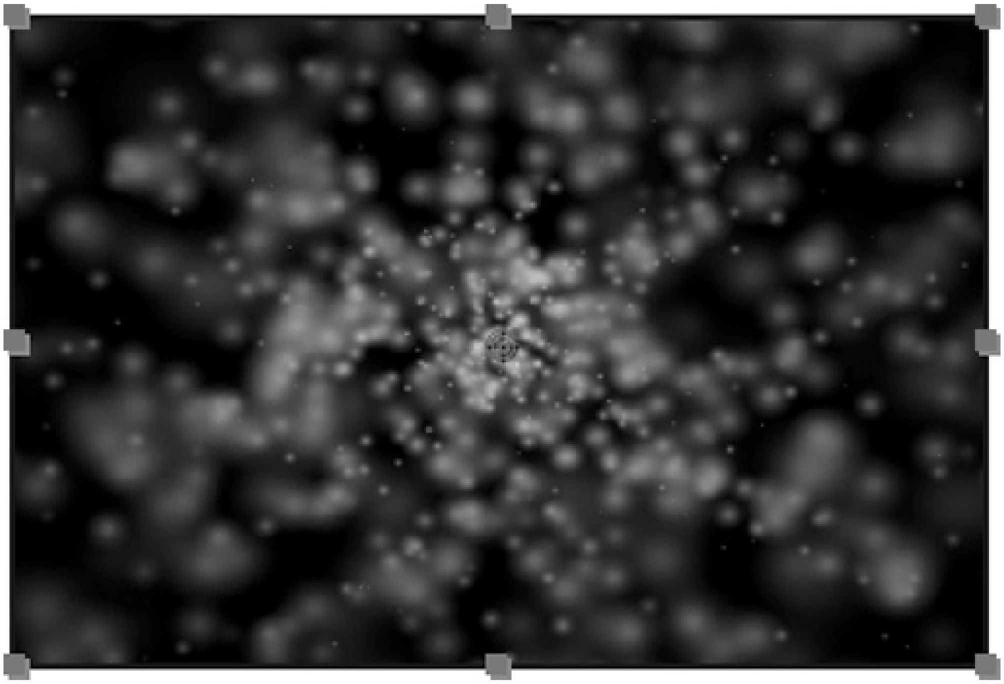
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3. □Death Size□□□1.50□Size Variation□□□□□□□□□100%□□□□□□□□□□□□□□□□

4. □Max Opacity□□□□□□□□□□□□55%□□□□□□□□□□□□13.38□□13.39□□□



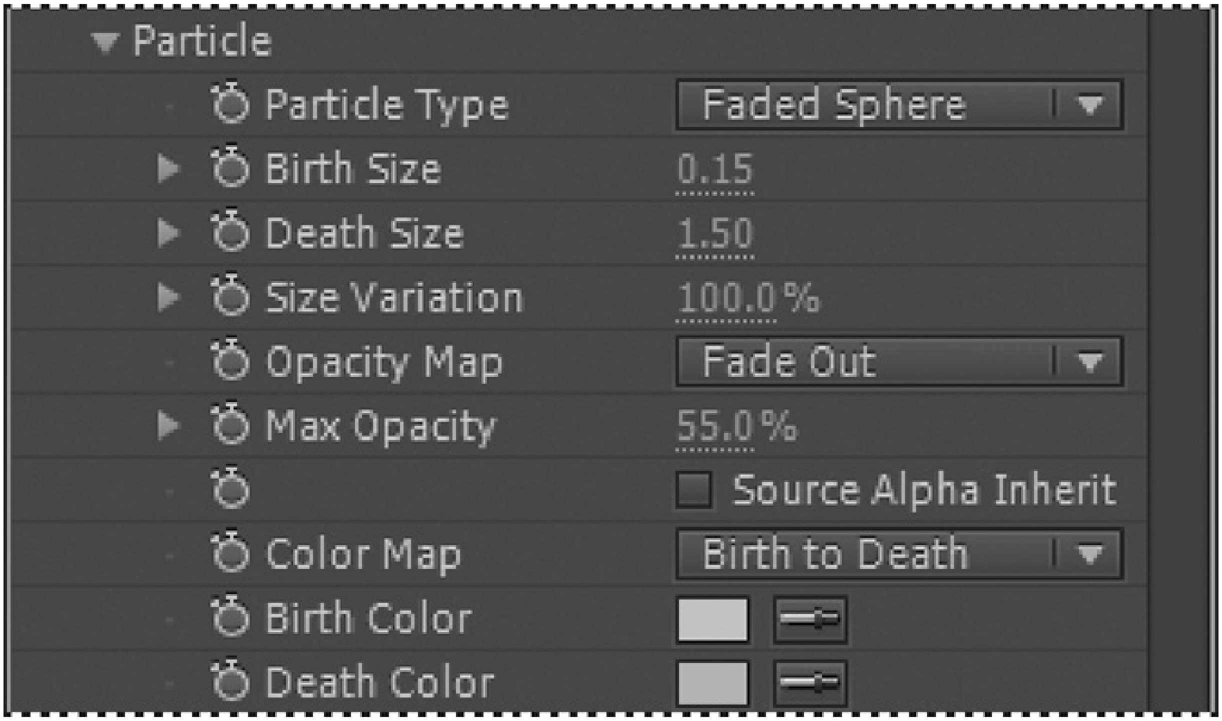
□13.38



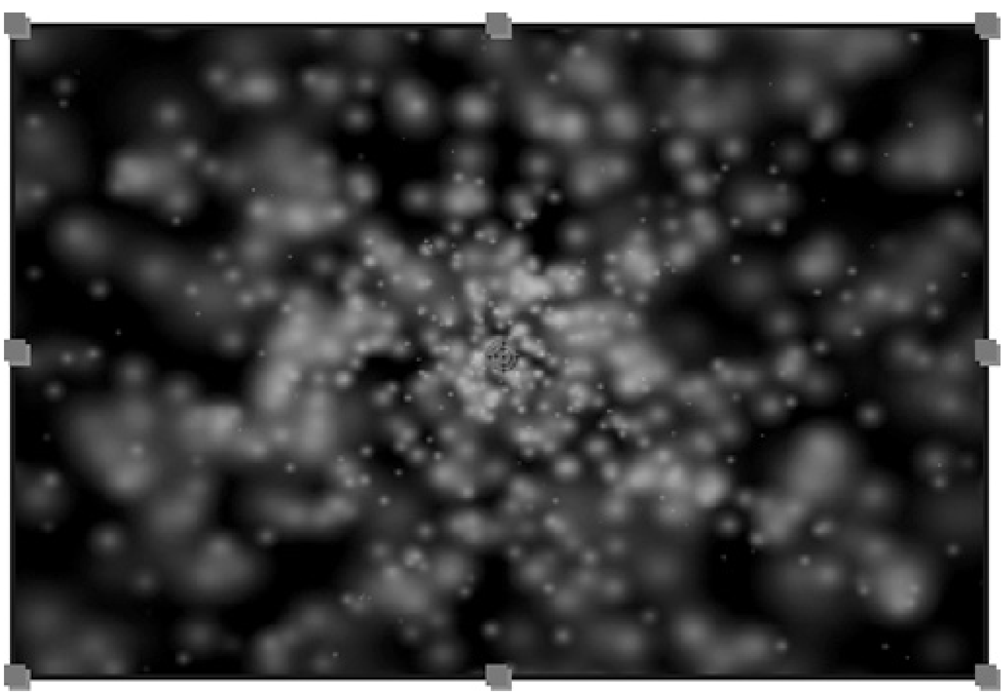
□13.39

5. □□Birth Color□□□□□□□□□R=255□G=200□B=50□□□□□□□□□□□□□□□□OK□□□

6. □□Death Color□□□□□□□□□R=180□G=180□B=180□□□□□□□□□□□□□□□□OK□□□□13.40□□13.41□□□

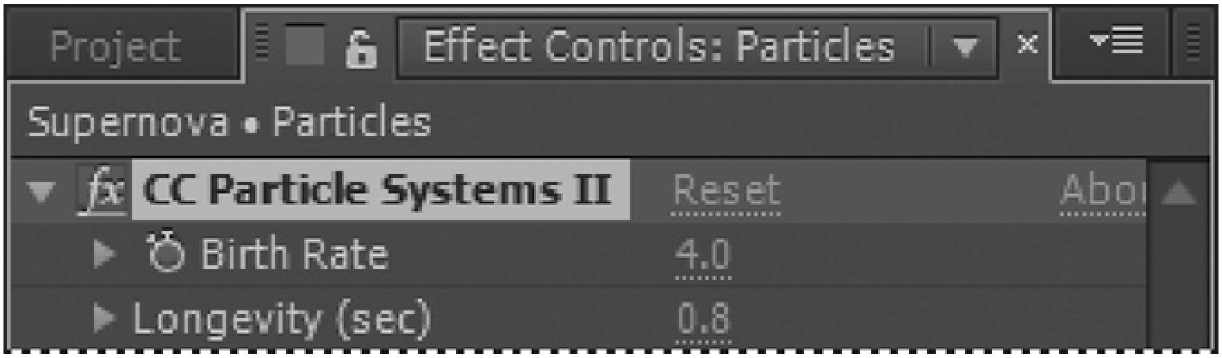


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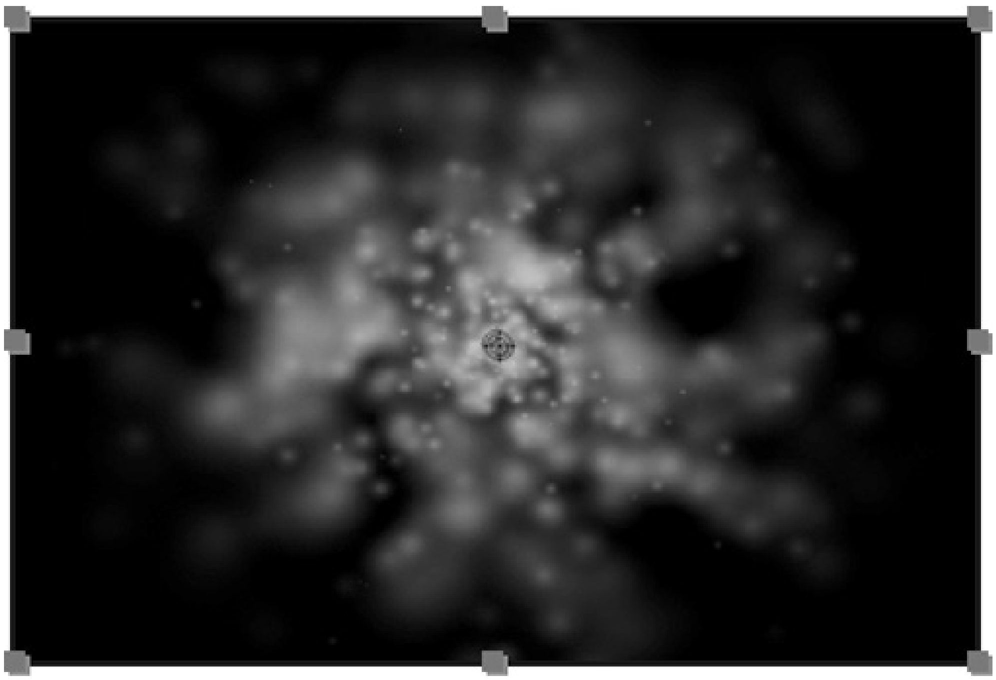


□13.41

7. □□□□□□□□□□□□□□□□□□□□□□□Longevity□□□□0.8□□□□13.42□□13.43□□□



□13.42



□13.43

□□□

□□Longevity□Birth Rate□□□□Effect Controls□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

Faded Sphere□□□

Particle Systems II□□

[illegible]Effect Controls[illegible]

Birth Rate[illegible]

Longevity[illegible]

Producer Position[illegible]*x* [illegible]*y* [illegible]*x* [illegible]*y* [illegible]*x* [illegible]*y* [illegible]0[illegible]

Velocity[illegible]

Inherent Velocity %[illegible]Producer Position[illegible]

Gravity[illegible]

Resistance[illegible]

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Extra[illegible]

Birth/Death Size[illegible]/[illegible]

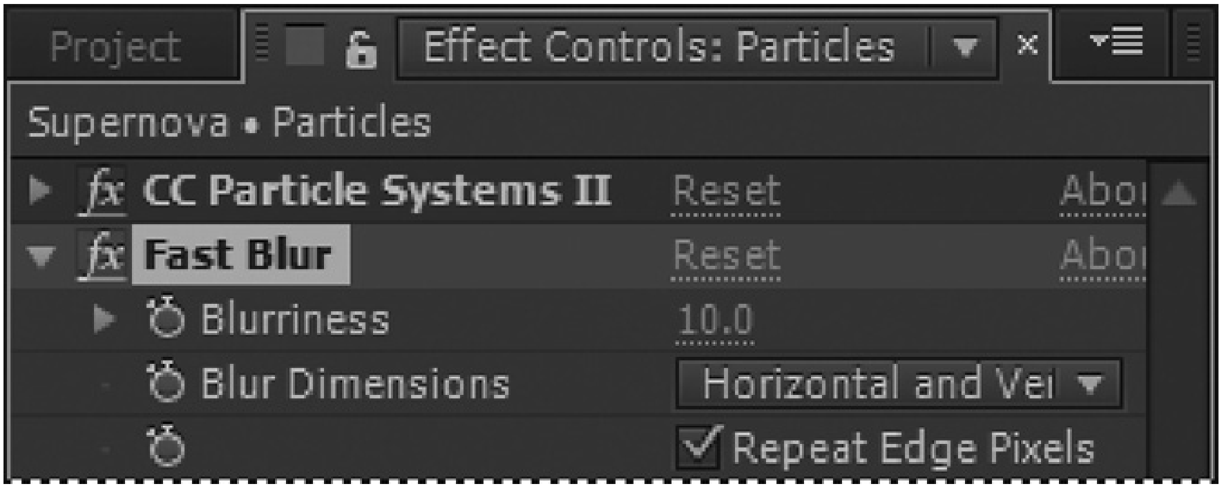
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Color Map[illegible]Birth[illegible]Death[illegible]

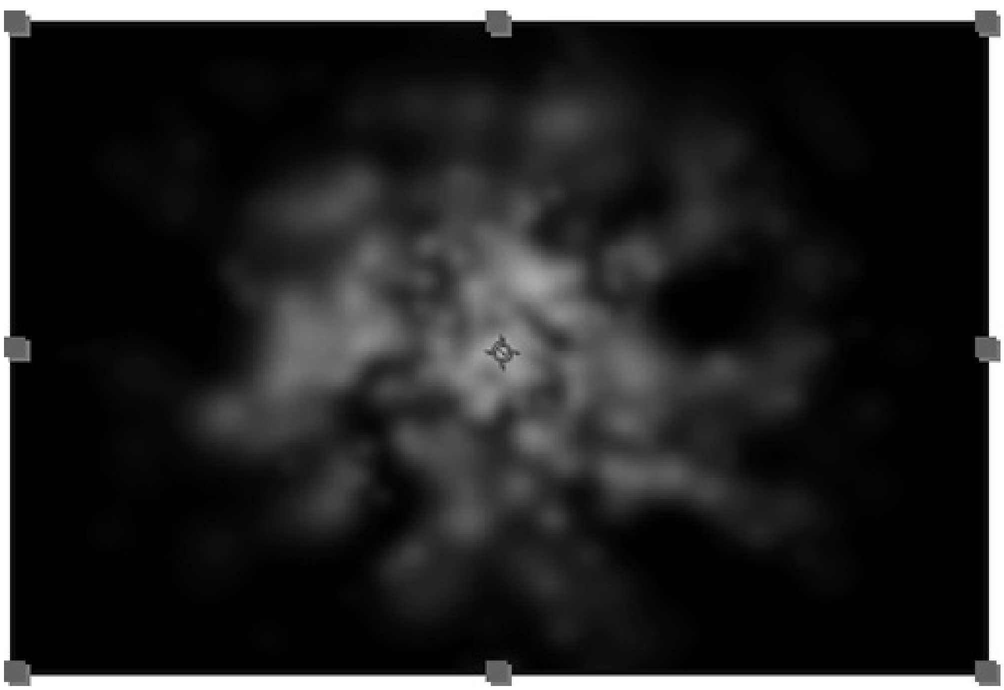
8. [illegible]CC Particle Systems II[illegible]

9. [illegible]Effect>Blur & Sharpen>Fast Blur[illegible]

10. □Effect Controls□□□Fast Blur□□□□Blurriness□□□□□□□□10□□□□□□Repeat Edge Pixels□□□□□□□□□□□□□□□□□□□□□□□□□□□□13.44□□13.45□□□



□13.44



□13.45

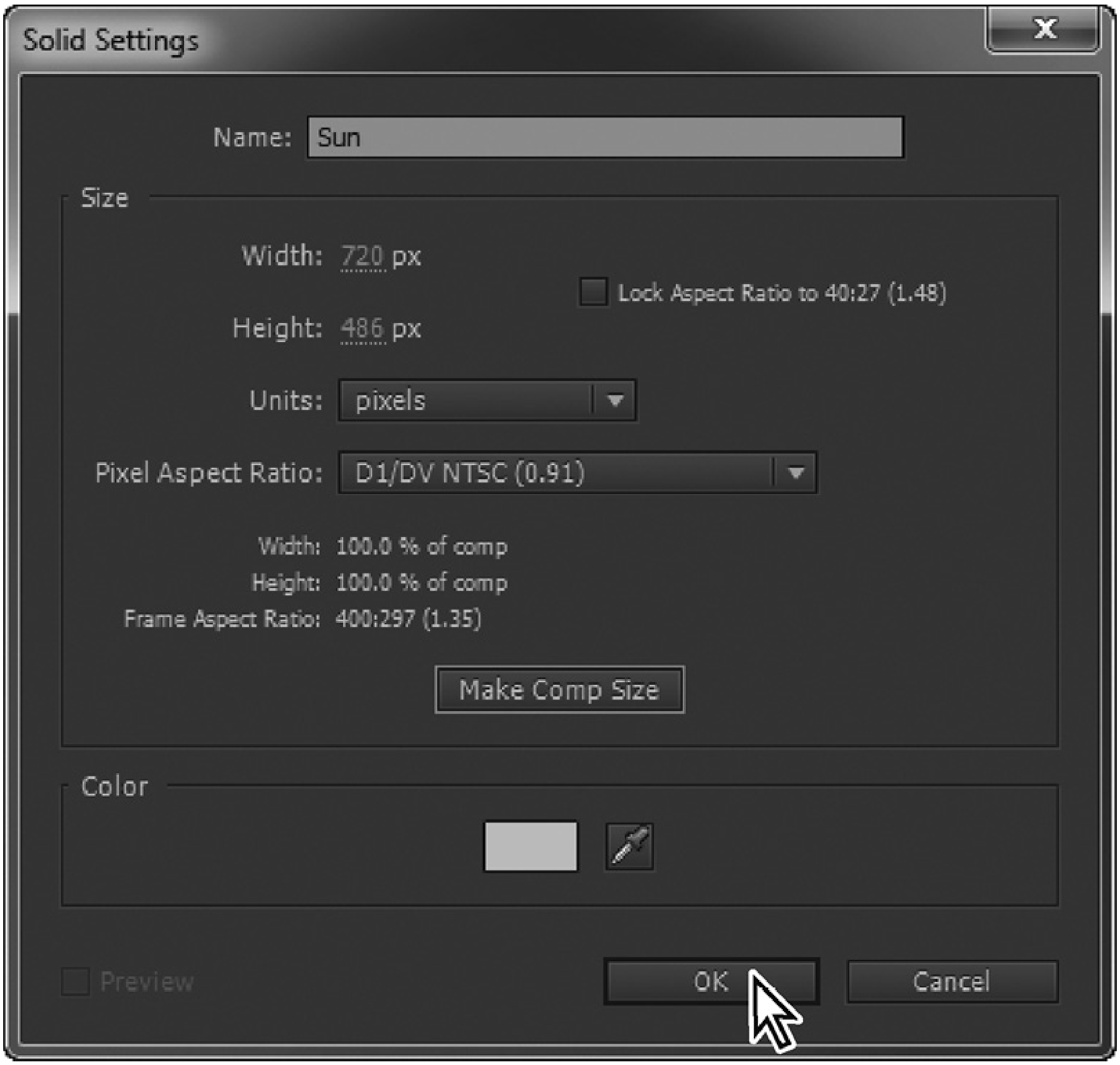
13.5.4 □□□□

□□□□□□□□□□□□□□

1. □□□0:07□

2. □Ctrl+Y□Windows□□Command+Y□Mac OS□□□□□□□□□□□□□

3. □Solid Settings□□□□□□□□□13.46□□

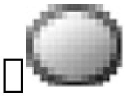
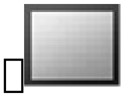
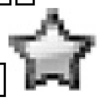


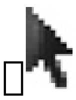
□13.46

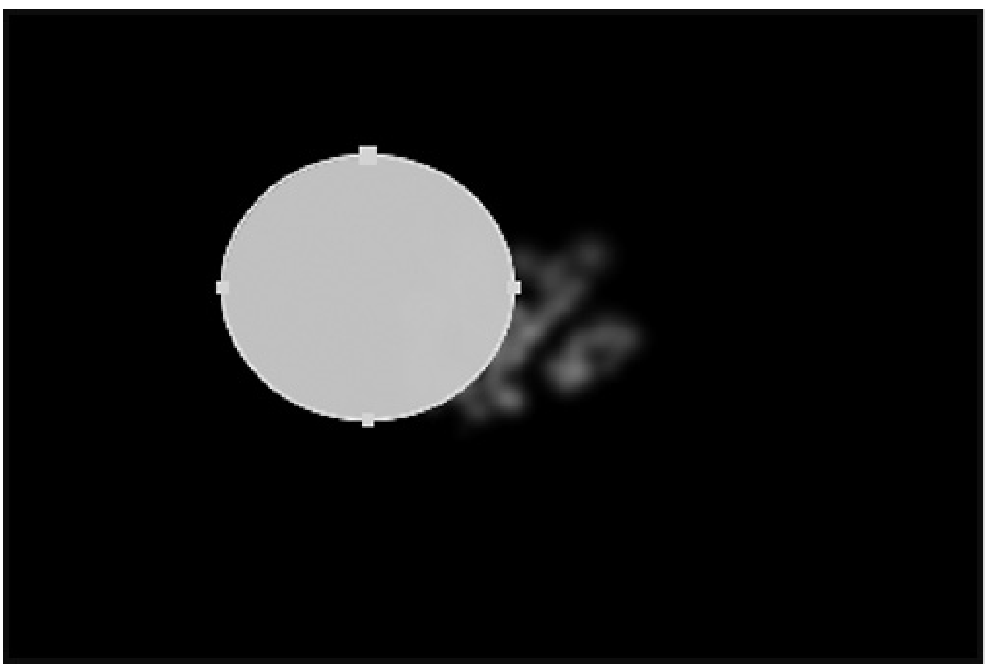
- □Name□□□□□Sun□
- □□Make Comp Size□□□□□□□□□□□□□□□□
- □□□□□□□□□□□□□□□Birth Color□□□□□□□□□□□255□200□50□□

- □□OK□□□□□Solid Settings□□□□

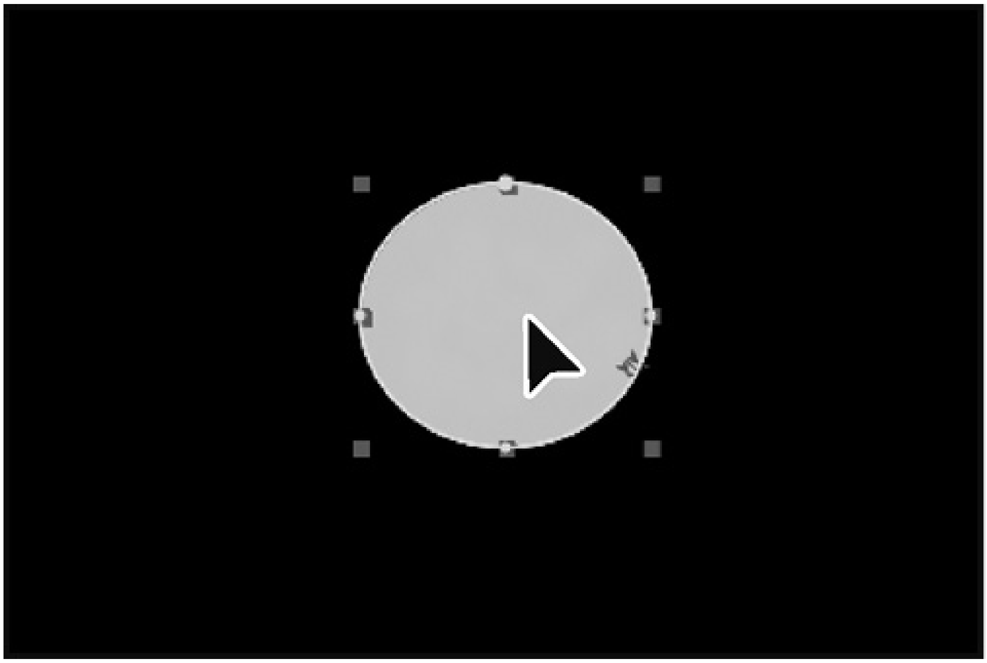
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Star□□□□□□□□□□Shift□□□Composition□□□□□□□□□□□□□□□
100□□□□□□□□□□□□□□□1/4□□□□

6. □Selection□□□□□□□□□□□□Composition□□□□□□□□13.47
□□13.48
□□□

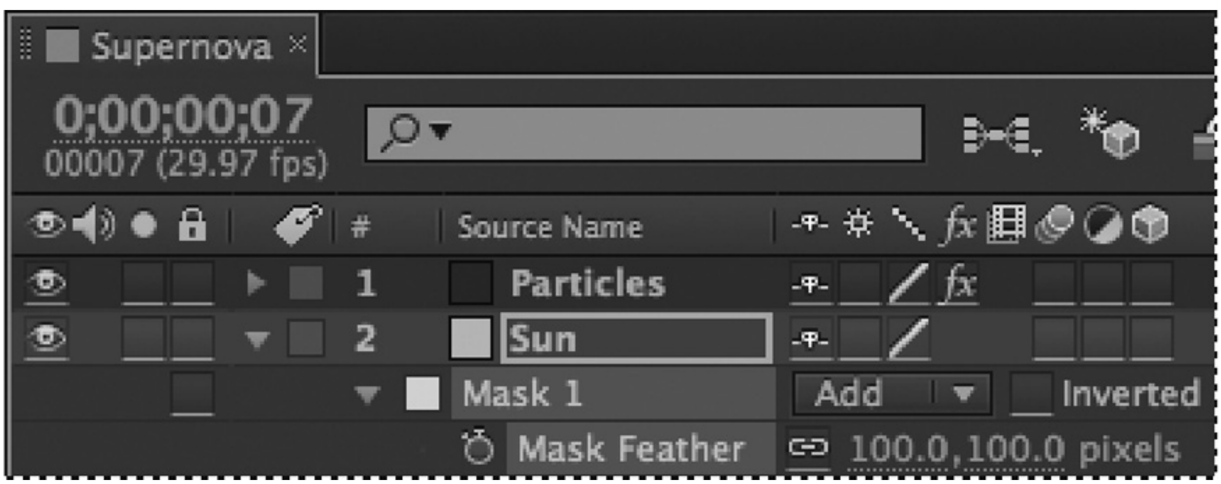


□13.47

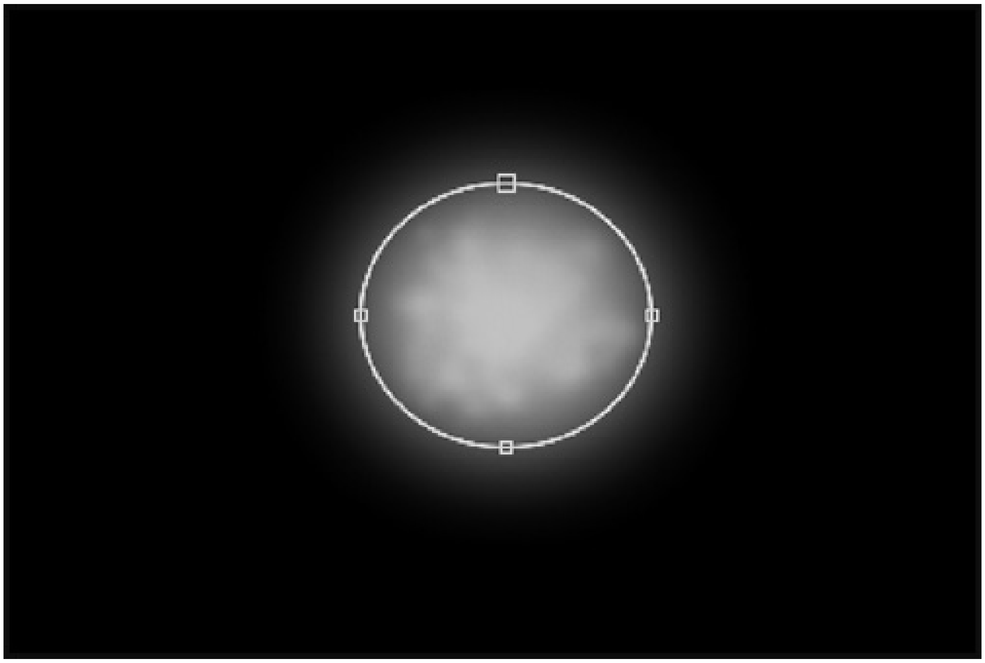


□13.48

7. □□Timeline□□□□Sun□□□□F□□□□Mask Feather□□□□□□□□□Mask Feather□□□□□100□100□□□□□□13.49□□13.50□□□

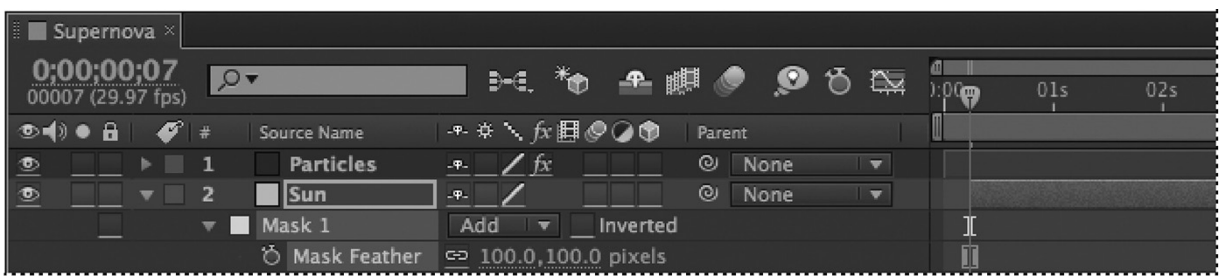


□13.49



□13.50

8. □Alt+[□Window□□Option+[□Mac OS□□□□□□□□□□In□□□□
□□□□□
□13.51□□□



□13.51

9. □□Sun□□□□□

13.5.5 □□□□

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1. □□□□□□□□0:07□

2. □Ctrl+Y□Windows□□Command+Y□Mac OS□□□□□□□□□□□□□□□

3. □Solid Settings□□□□□□□□□□□Background□□□Make Comp Size□□□□□□□□□□□□□□□□□□□□□□OK□□□□□□□

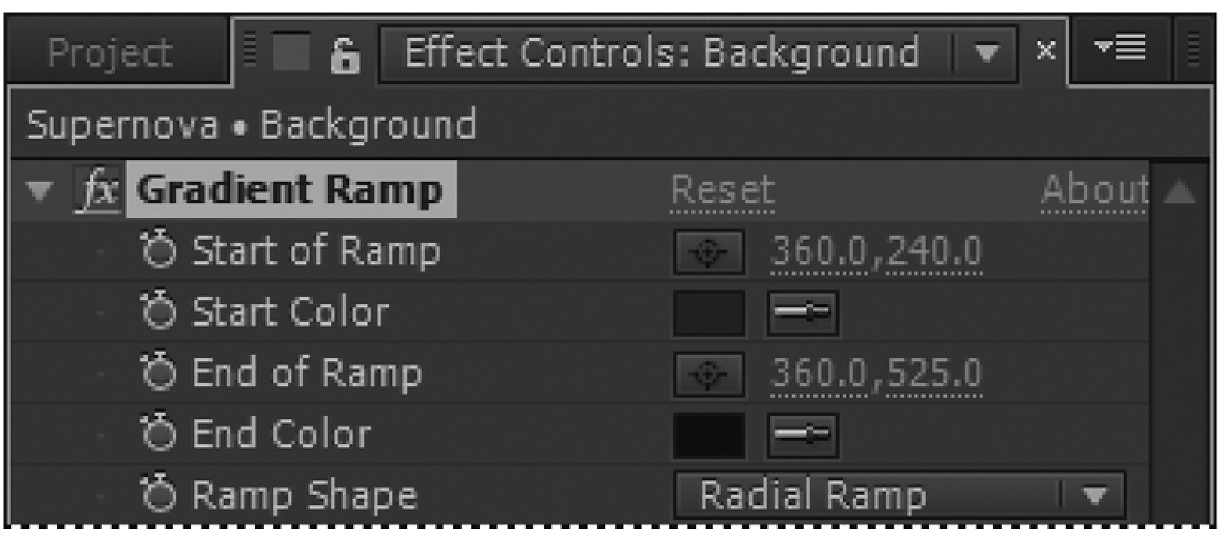
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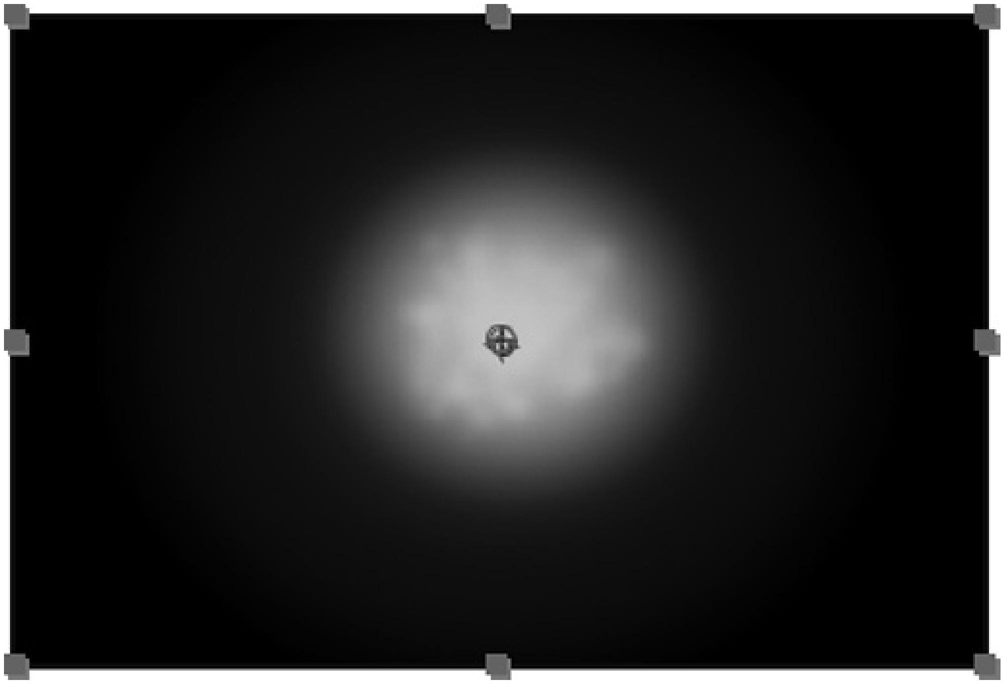
Ramp□□Start of Ramp□□□□□□□End of Ramp□□□□□□□□□□□□□□□□□□□□□□Ramp Scatter□□□□□□□□□□□□□□□□□□□□□□

6. □Effect Controls□□□Ramp□□□□□□□□□□

- □Start of Ramp□□□□360□240□□□End of Ramp□□□□360□525□□
- □Ramp Shape□□□□□□□□□□□□□□Radial Ramp□
- □□Start Color□□□□□□□□□□□□□□□□□□R=0□G=25□B=135□□
- □End Color□□□□□□□□□□□□□□□□R=0□G=0□B=0□□□□13.52□□13.53□□□



□13.52



□13.53

7. □Alt+[□Window□□Option+[□Mac OS□□□□□□□□□□In□□□□□□□□□□□

13.5.6 □□□□□□

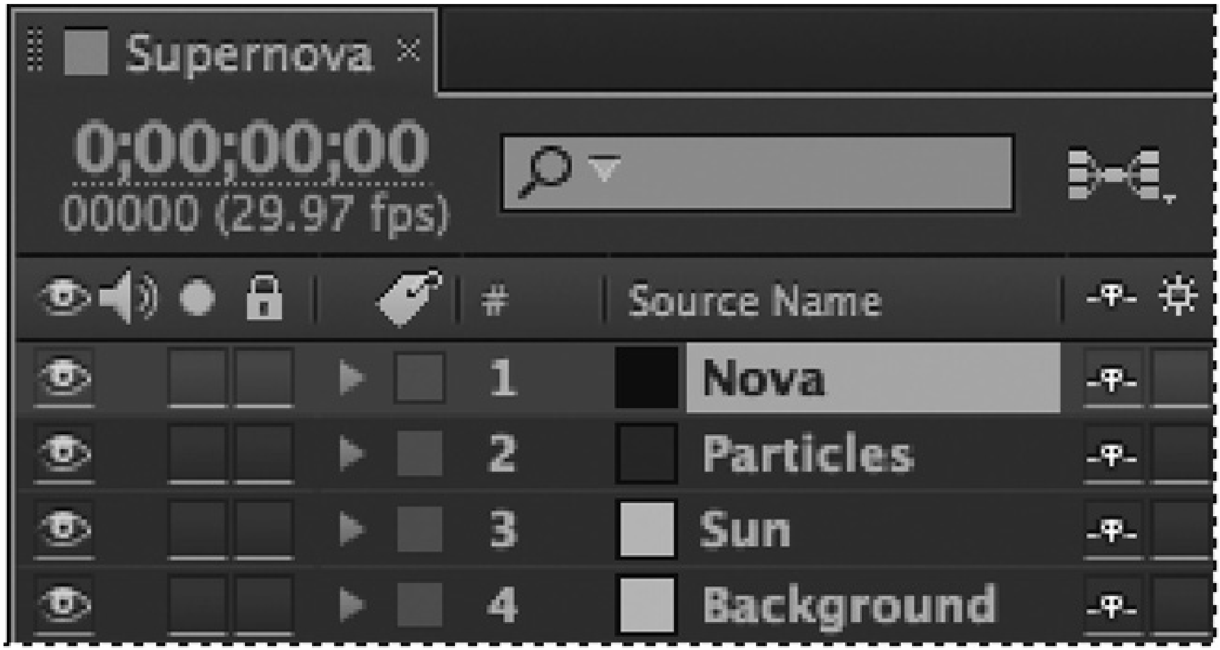
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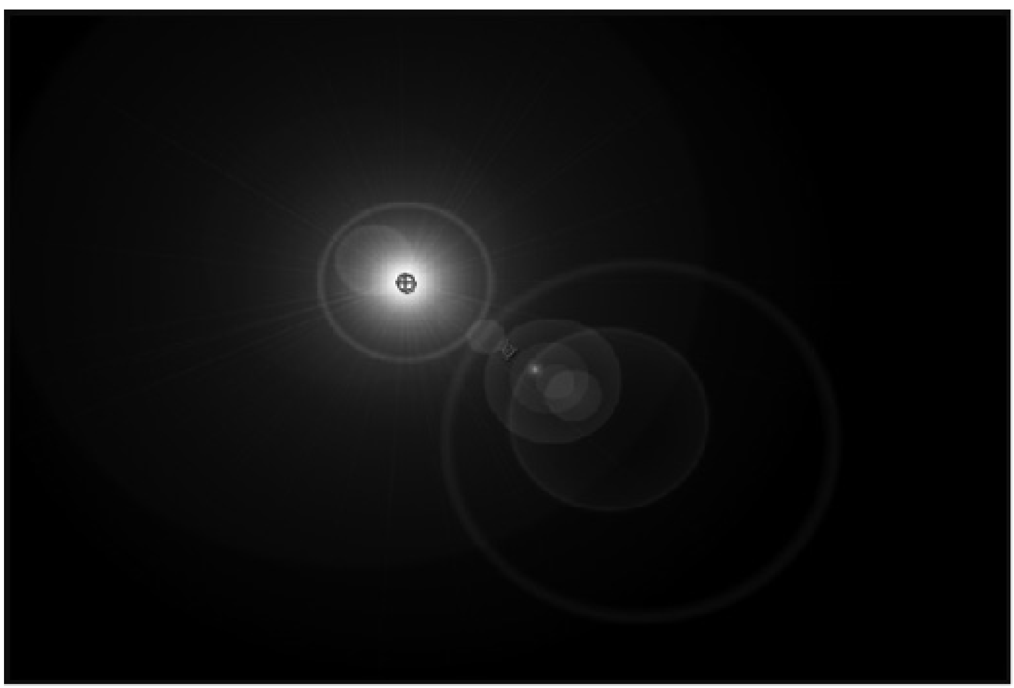
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4. □Timeline□□□□□Nova□□□□□□Effect>Generate>Lens Flare□□□□□□□□□13.54□□13.55□□□



□13.54



□13.55

5. □Effect Controls□□□□Lens Flare□□□□□□□□□

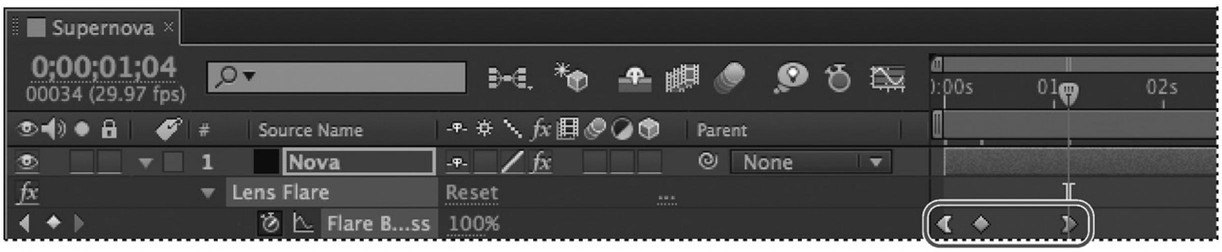
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- □Lens Type□□□□□□□□□□□□50-300mm Zoom□50-300mm□□□□
- □Flare Brightness□□□□□□□□0%□□□□□Flare Brightness□□□□□□□□□□□□□ □□□□□□□□□

6. □□□0:10□

7. □Flare Brightness□□□240%□

8. □□□1:04□□Flare Brightness□□□100%□□□13.56□□13.57□□□



□13.56

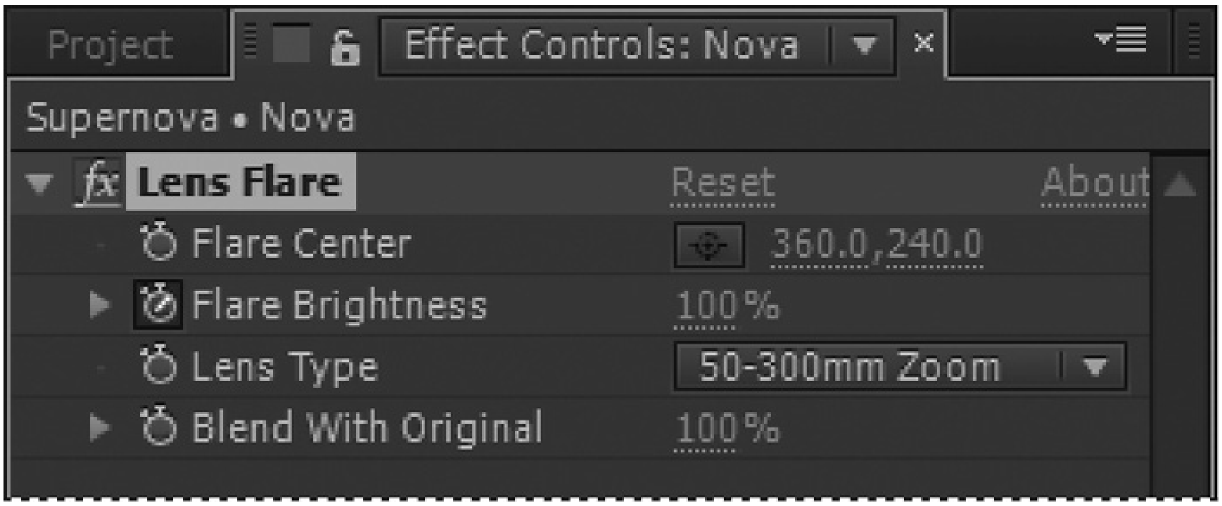


□13.57

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10. □□□□□Windows□□□□Control□□□□□□Mac OS□Flare Brightness□□□□□□□□□Keyframe Assistant > Easy Ease In□□□

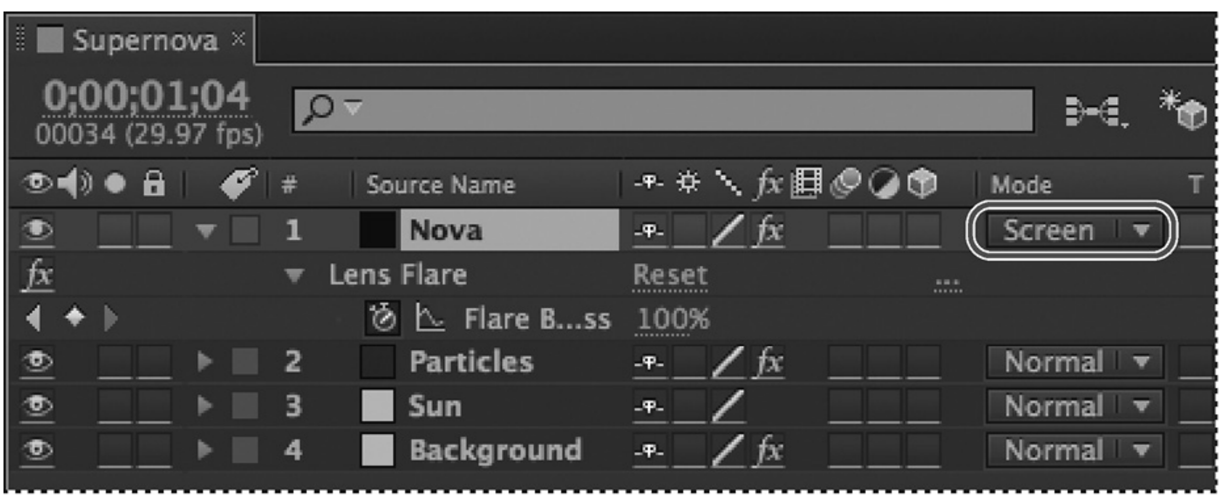
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□13.58

□□□□□□□□□□□□Nova□□□□□□□□□□□

12. □F2□□□□□□□□□□□□Timeline□□□□□□□Columns>Modes□□□□□□Nova□□□Mode□□□□□□□Screen□□□13.59□□□



□13.59

13. [illegible]RAM[illegible]

14. [illegible]File>Save[illegible]File>Close Project[illegible]

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13.6 [illegible]Timewarp[illegible]

After Effects[illegible]Timewarp[illegible]

[illegible]Timewarp[illegible]

13.6.1 [illegible]

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1. □□□□□□After Effects□□□□□□□□□□After Effects□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□OK□□□□□□Close□□□□Welcome□□□

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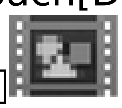
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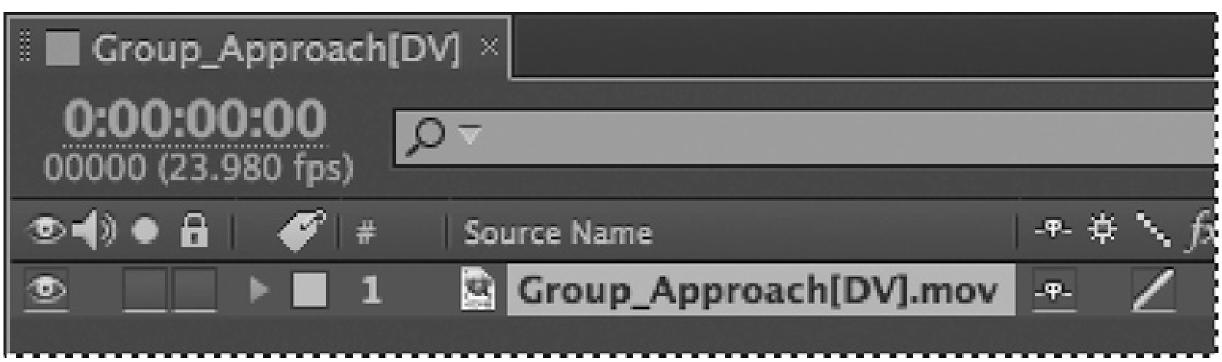
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6. □Interpret Footage□□□□□□OK□□□

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7. □Group_Approach[DV].mov□□□□□Project□□□□□Create A New Composition□□□□□□

After Effects□□□□□□□□□□□□□□□□□□□□□□□Composition□□□Timeline□□□□□13.60□□13.61□□□



□13.60



□13.61

5. □□File>Save□□□□□□□□

13.6.2 □□Timewarp□□

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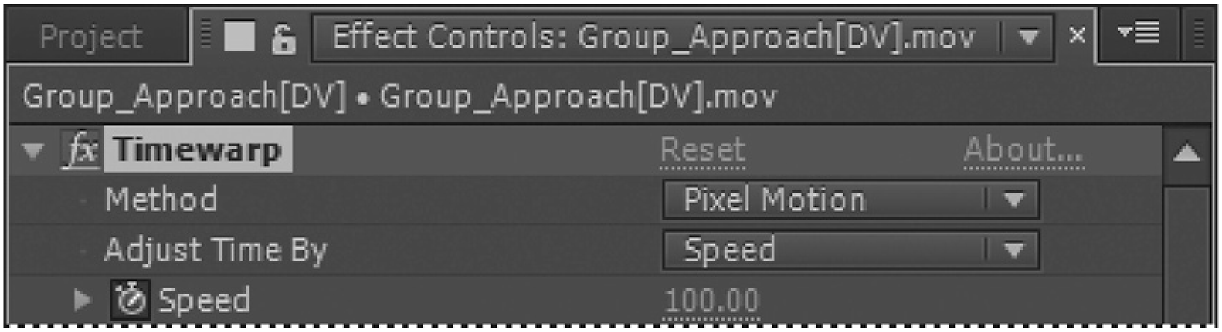
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Pixel Motion□□□Timewarp□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Speed□□□Timewarp□□□□□□□□□□□□□□□□□□□□□□

3. □□□2:00□

4. □Effect Controls□□□□□Speed□□□100□□□□□□□□□□□□ □□□□□□□□□13.62□□13.63□□□



□13.62



□13.63

□□□Timewarp□□□2□□□□□□□□□□□□□□□100%□

5. □□□5:00□□Speed□□□10□After Effects□□□□□□□□

6. □□□7:00□□Speed□□□100□After Effects□□□□□□□□

7. □Home□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□RAM□□□

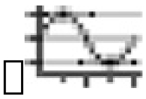
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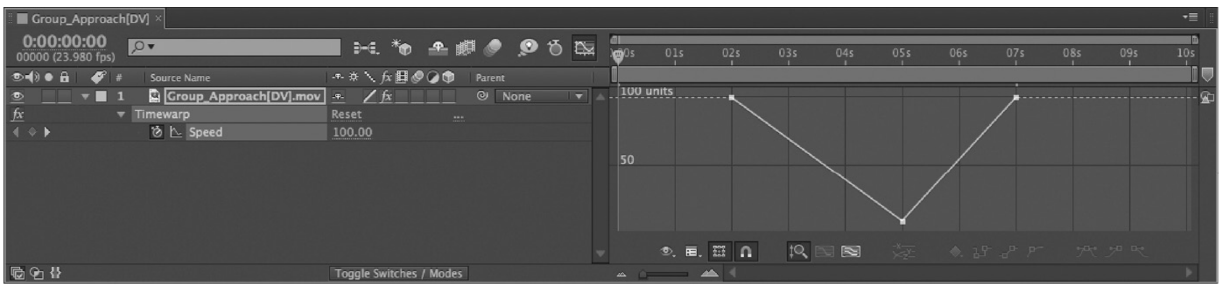
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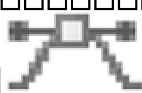
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9. □Timeline□□□□□Group_Approach[DV]□□□U□□□□□□□□□□ Timewarp□□□Speed□□□

10. □□Timeline□□□□Graph Editor□□□  □□□□□□□□Graph Editor□□□□□□□□□□Graph Editor□□□Group_Approach[DV]□□□ Speed□□□□□□□□□□13.64□□□



□13.64

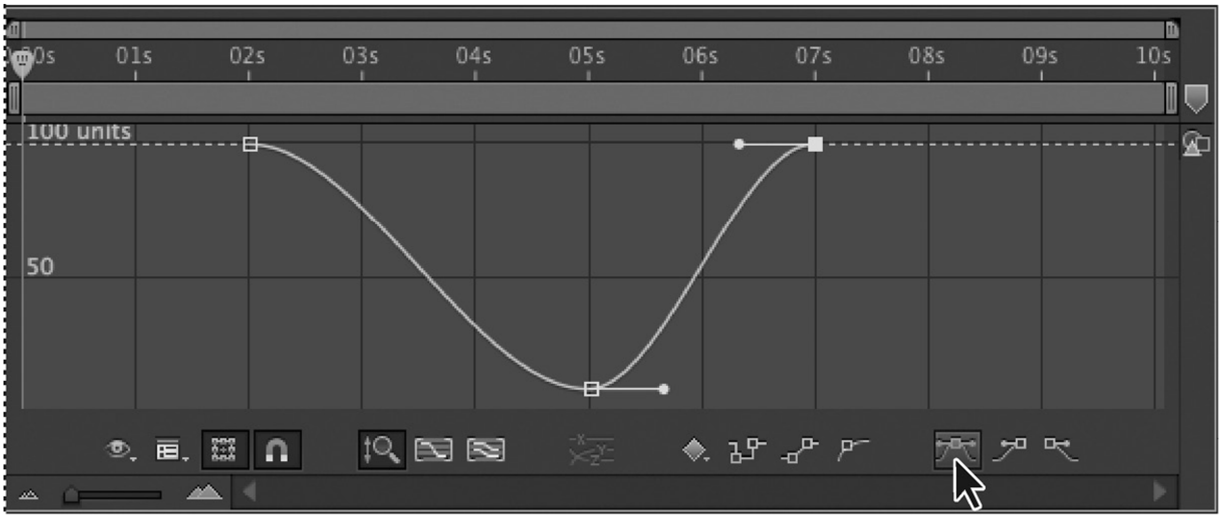
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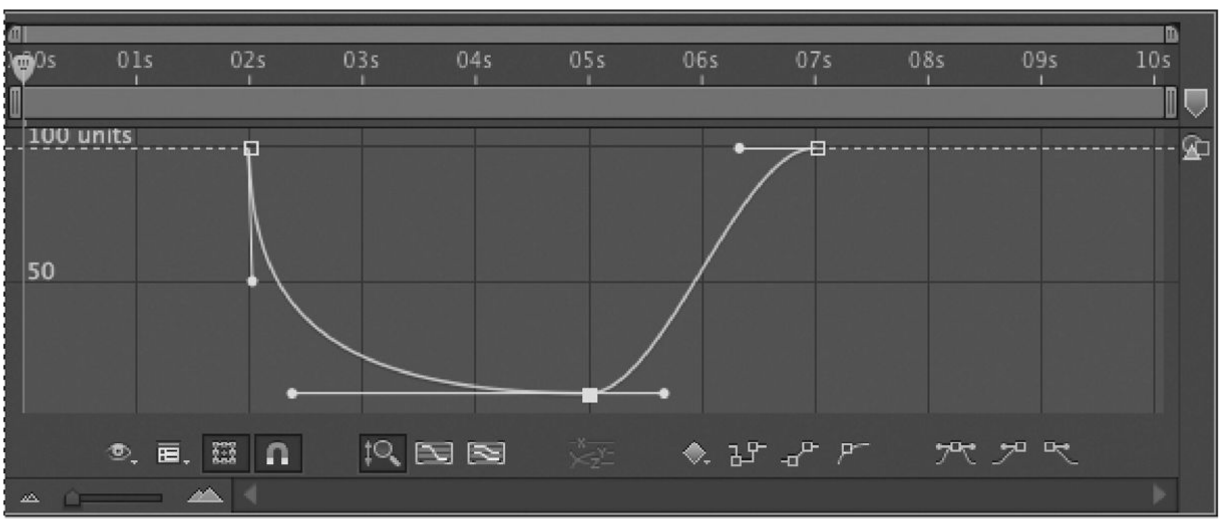
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14. □□□□RAM□□□□□□□□Timewarp□□□□□□□□

15. □□File>Save□□□□□□□□□□□File>Close Project□□□

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13.7 □□□□□

13.7.1 □□□

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3. □□□□□□birth rate□□□□□□

4. Timewarp□□□□□□□□

13.7.2 □□□□□

1. □□
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3. □□□□□□birth rate□□□□□□□□□□□

4. Timewarp□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□□After Effects□□□□□□□□□□□Lesson14□□□□□□□□□□□□□□□□□□□□□□□□□Lessons□□□□□□□Lessons□□□



> [illegible]
> Adobe After Effects[illegible]Adobe Media Encoder[illegible]
> [illegible]

14.1 [illegible]

[illegible]Render Queue[illegible]Adobe Media Encoder[illegible]12[illegible]

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- Start_Project_File□□□□Lesson14_Start.aep□
- Sample_Movies□□□□Lesson14_Final_360p_Web.mp4□
  Lesson14_Final_1080p.mp4□
  Lesson14_Final_lowres_Web.mp4□
  Lesson14_Final_MPEG4.mov□
  Lesson14_HD_test_1080p.mp4□

2. □□□□□□14□□□□□□□□□□□□□□□□□□□□12□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□QuickTime Player□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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Lesson14_HD_test_1080p.mp4□□□□□□□□□□□□5□□□□□

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3. □□After Effects□□□□□Ctrl+Alt+Shift□Windows□□Command+Option+Shift□Mac OS□□□□□□□□□□□□□□□□□□□□□□□□OK□□□□□□□□Close□□□□Welcome□□□



□14.1

4. □□File>Open Project□□□

5. □□□AECC_CIB\Lessons\Lesson14\Start_Project_File□□□□□□Lesson14_Start.aep□□□□□□Open□□□

> □□□
>
> □□□□□□□□□□□□□Arial Narrow Regular□□□OK□□□

6. □□File>Save As□□□

7. □Save Project As□□□□□□AECC_CIB\Lessons\Lesson14\Finished_Project□□□

8. □□□□□Lesson14_Finished.aep□□□□Save□□□

9. □□Window>Render Queue□□□□□□□□□Render Queue□□□

14.2 □□□□□□□□

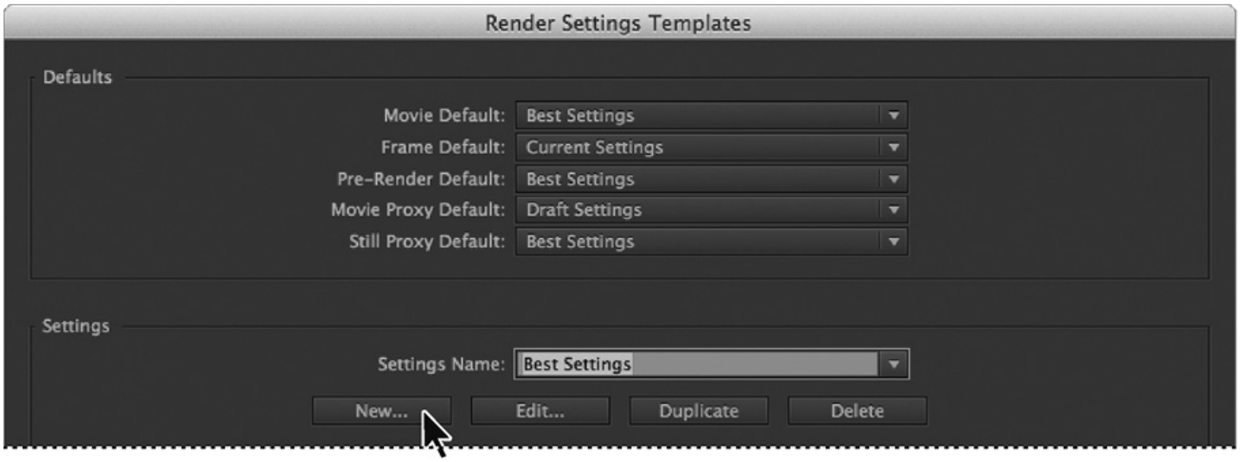
□□□Render Queue□□□□□□□□□Render Settings□Output Module□□

14.2.1 □□□□□□□□□□□□

□□

1. □□Edit>Templates>Render Settings□□□□□Render Settings Templates□□□□

2. □Settings□□□□New□□□□□□□□14.2□□□



□14.2

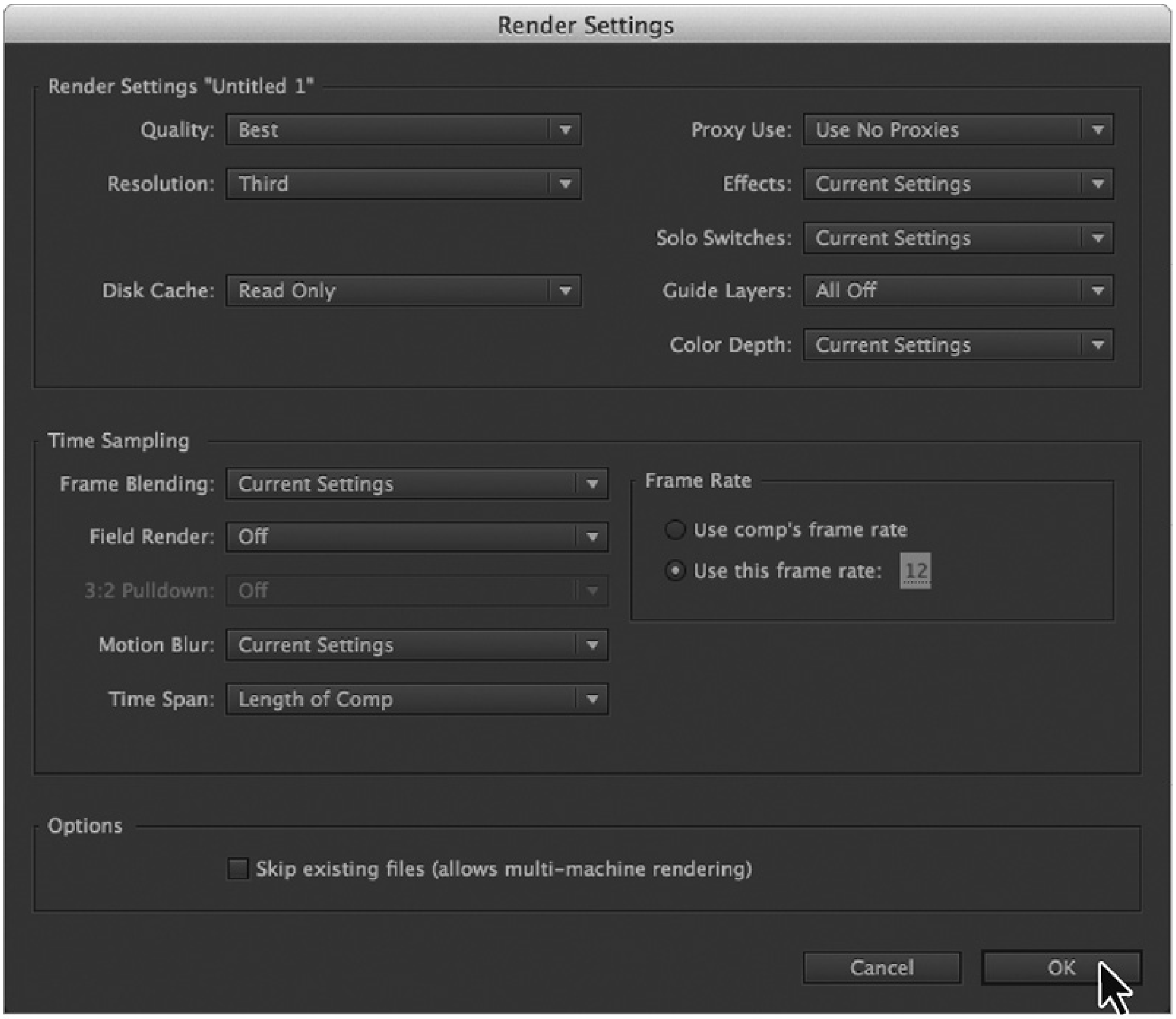
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- Quality□□□□□Best□□□□
- Resolution□□□Third□1/3□□□□□□□□□□□□1/3□

4. □Time Sampling□□□□□□□□

- Frame Blending□□Current Settings□□□□□□
- Motion Blur□□Current Settings□
- Time Span□□Length Of Comp□□□□□□□□

5. □Frame Rate□□□□Use This Frame Rate□□□□□□□□□□
□12□fps□□□□□OK□□□□Render Settings Templates□□□□□
14.3□□□



□14.3

6. □Settings Name□□□□□□Test_lowres□□□□□□□□

7. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Edit□□□□□□□□□□□OK□□□□□14.4□□□



□14.4

□□□Test_lowres□□Render Queue□□□Render Settings□□□□□□□□□□

14.2.2 □□□□□□□□□□

□□□Web□□□□□□

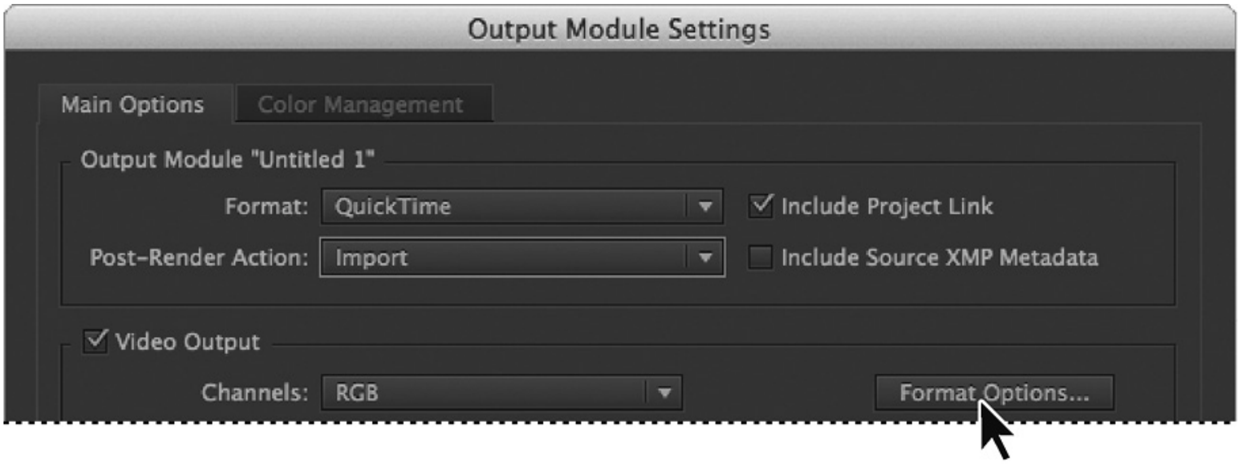
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2. □Settings□□□□□New□□□□□□□□□

3. □Output Module□□□□□□□□□□□□QuickTime□

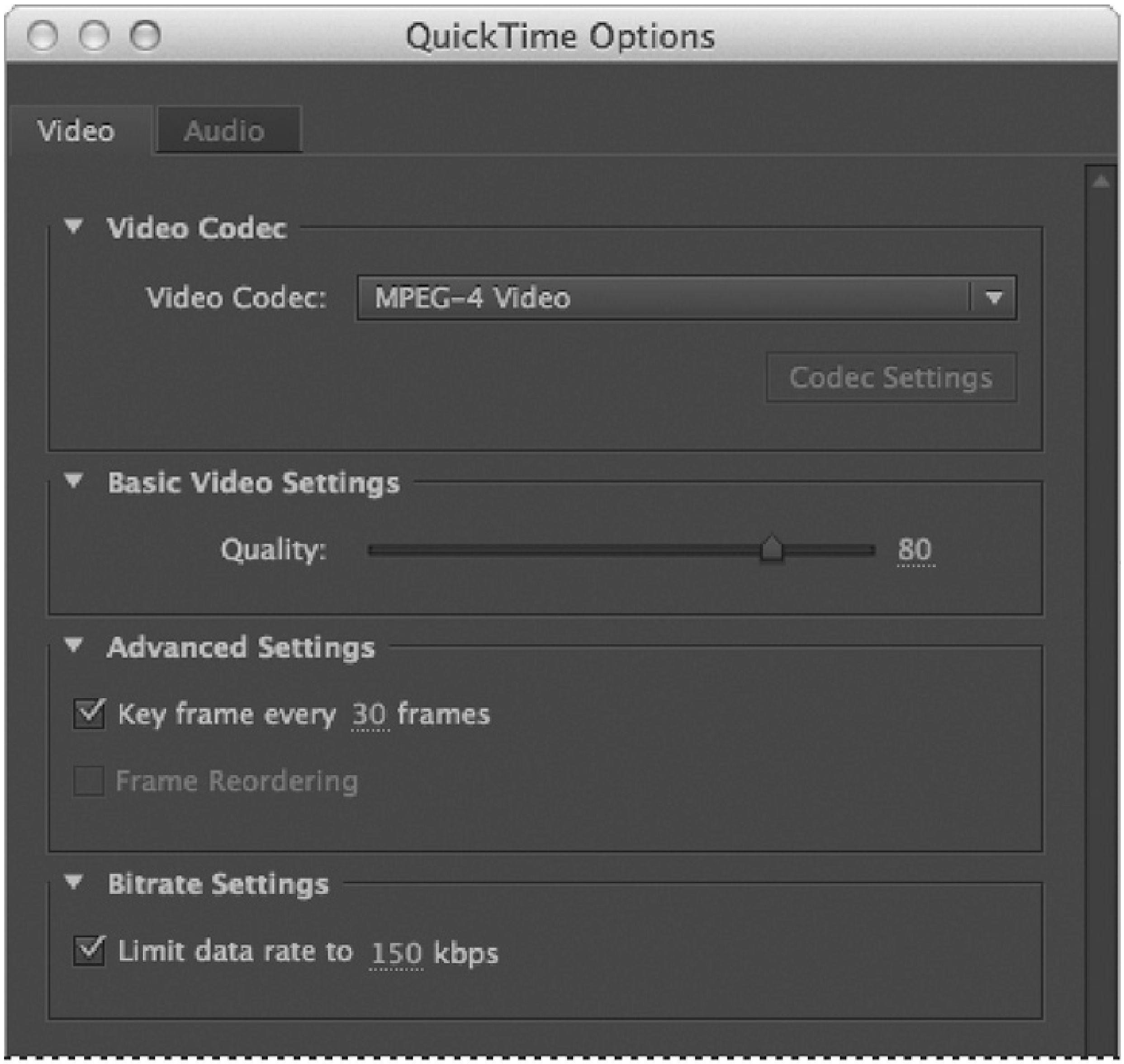
4. Post-Render Action□□□□□□□□□Import□□□□□

5. □Video Output□□□□□Format Options□□□□□□□□□□□14.5□□□



□14.5

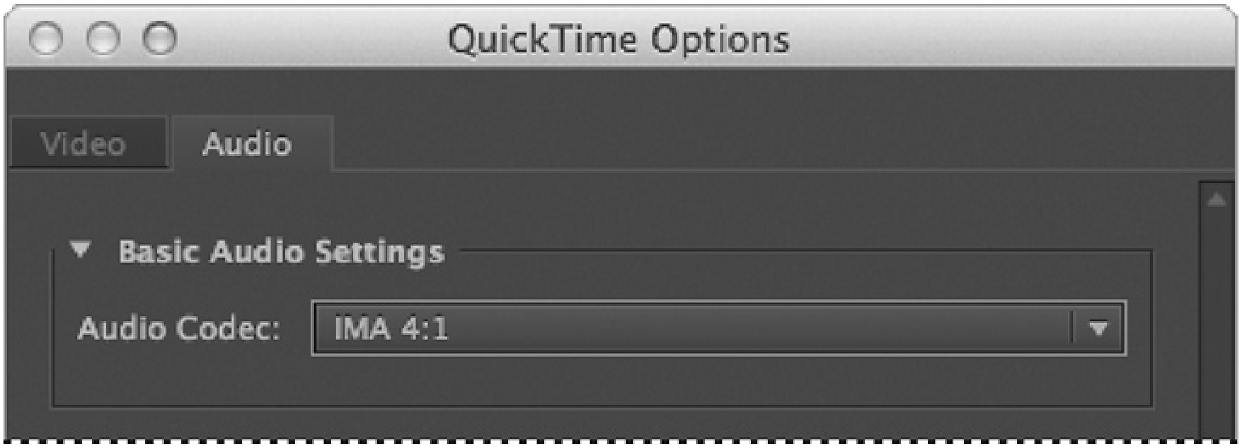
6. □QuickTime Options□□□□□□□□□□□□□□14.6□□□



□14.6

- Video Codec□□□□□□□□□□MPEG-4□□□□□□□□□□□□□□□□□□□
- □□□□□□□80□
- □□□□□□□□□Key Frame Every□□□□□□□□□□□30□□□□
- □□□□□□□□□□Limit Data Rate To□□□□□□□□□□□□150□kbps□□

7. □□Audio□□□□Audio Codec□□□□□IMA 4:1□□□14.7□□□

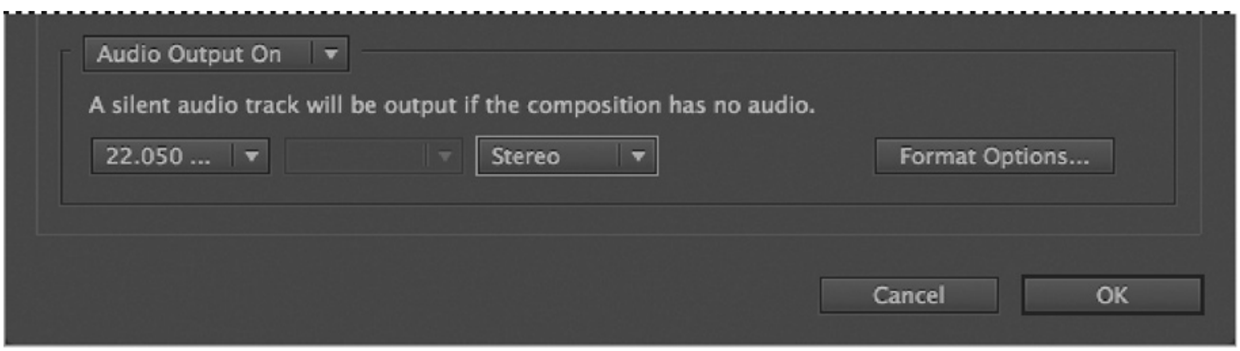


□14.7

> **□□□**
>
> IMA 4:1□□□Web□□□□□□□□□□□□□□□□□□

8. □□OK□□□Quick Time□□□□□□□Output Module Settings□□□

9. □□□□□□□□□□Audio Output On□□□□□□□□□□□□14.8□□



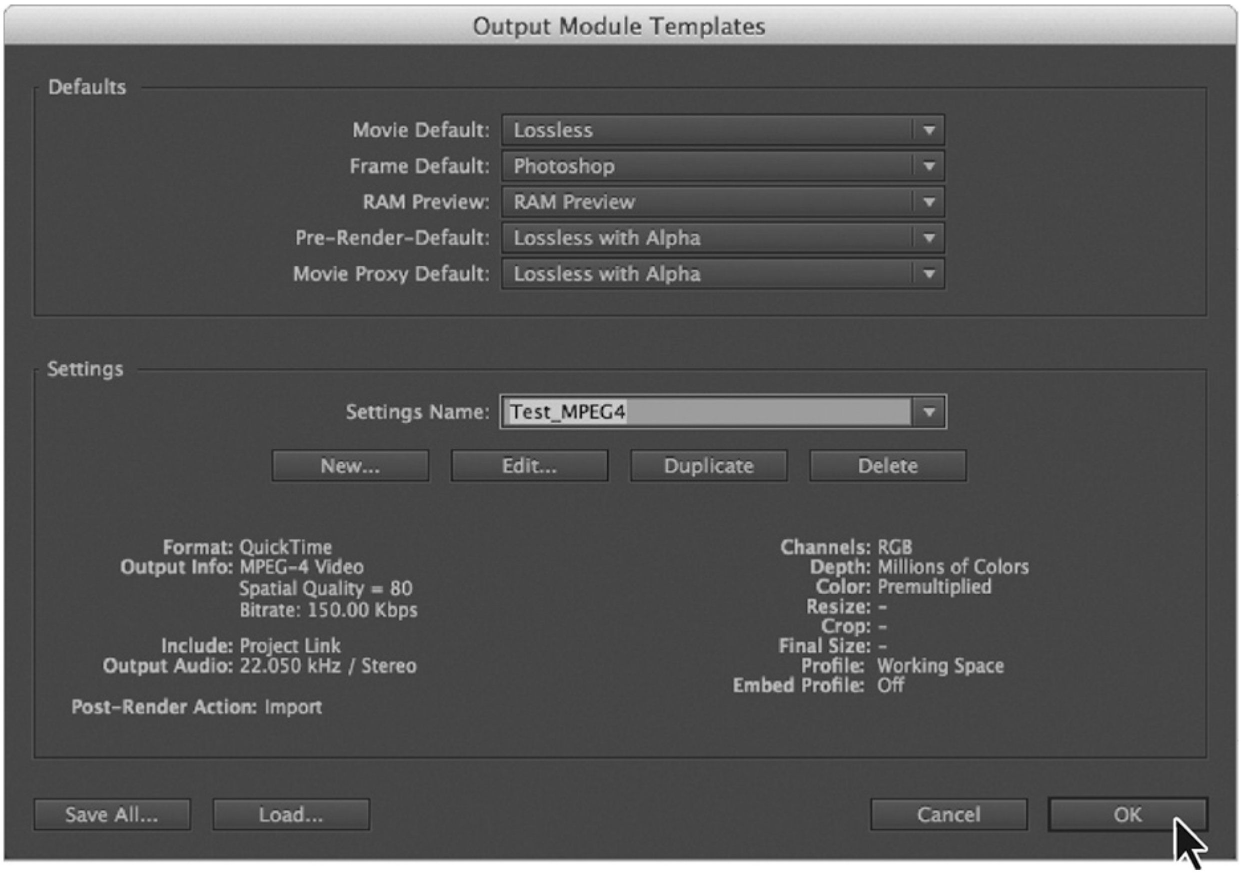
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- Rate□□□□22.050kHz□
- Use□□□□Stereo□□□□

10. □□OK□□□Output Module Setting□□□

11. □Output Module Templates□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Edit□□□

12. □□□□□□Test_MPEG4□□□□□OK□□□□□□□□□□□□□□□□□□□Output Module pop-up□□□□□□14.9□□□



□14.9

□□Web□□□□□

14.3 □□□□□□□□

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[illegible]

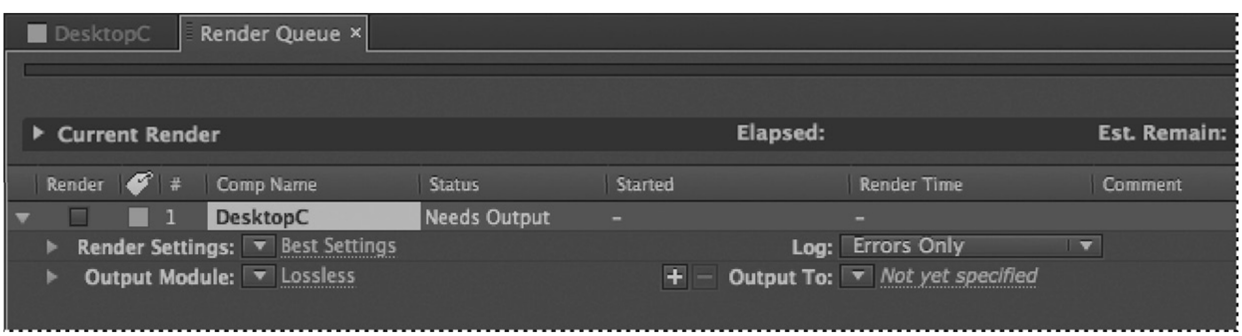
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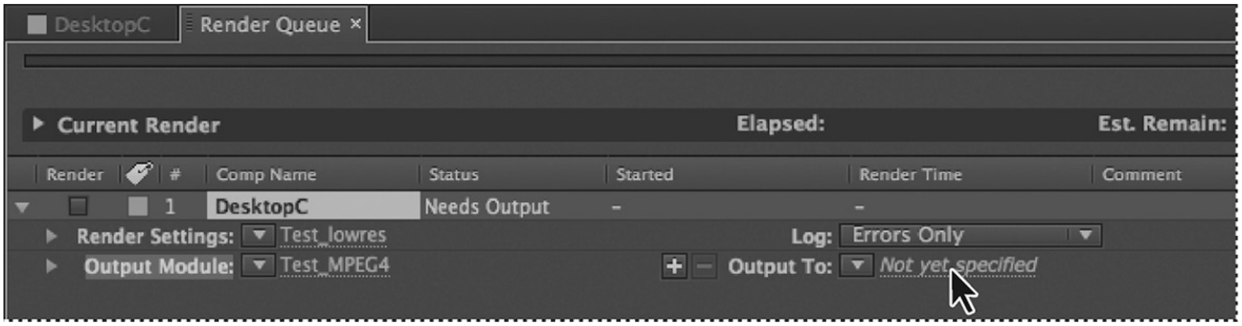


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4. □□Output To□□□□□□□□□□14.11□□□



□14.11

5. □Output Movie To□□□□□□□□□□□□□ AECC_CIB/Lessons/Lesson14□□□□□□□□□□□Final_Movies□□□□□□

- □Windows□□□□□□Create New Folder□□□□□□□□□□□□□□□□□□
- □Mac OS□□□□□□New Folder□□□□□□□□□□□□□□□□□Create□□□

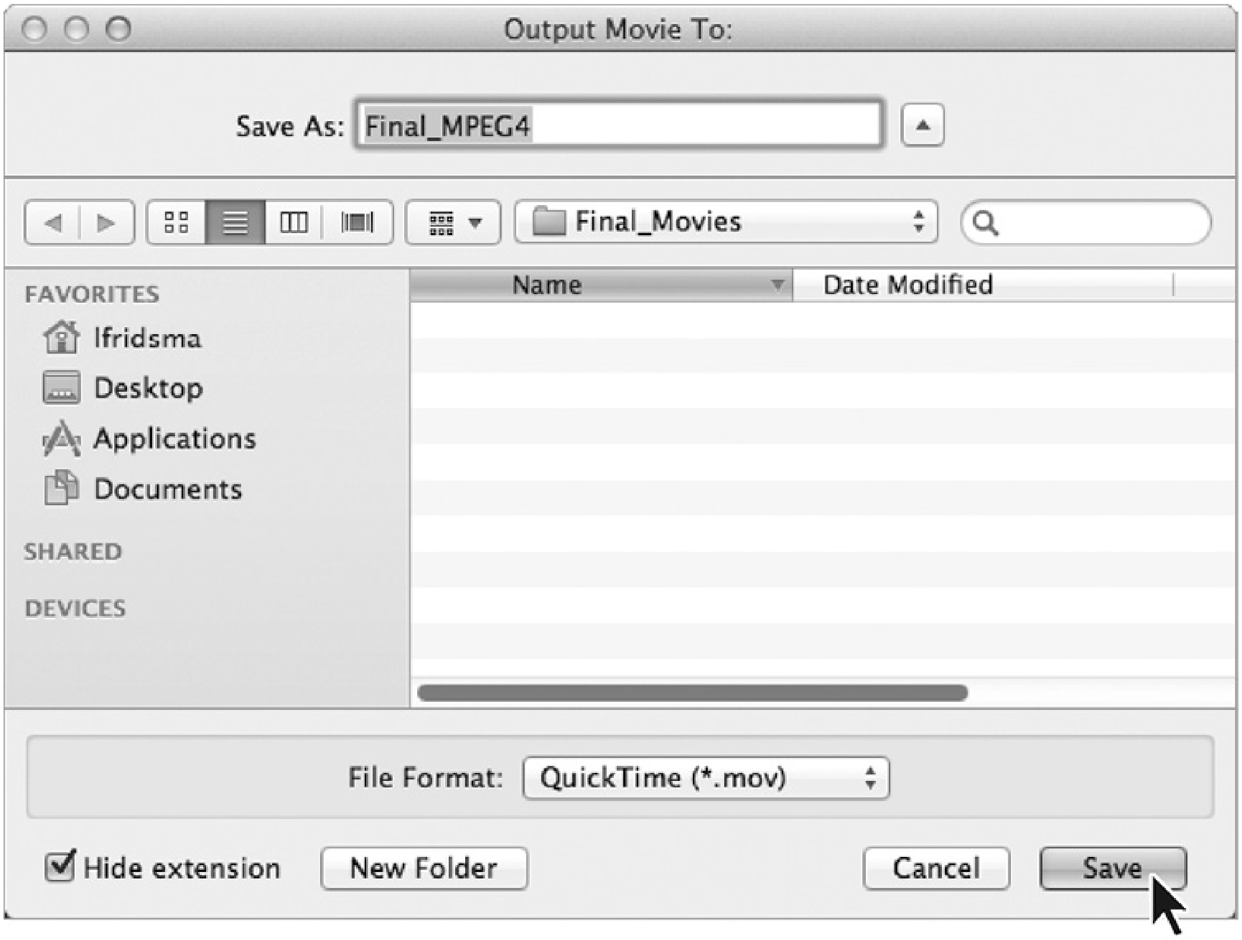
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7. □□□□□□Final_MPEG4.mov□□□□□Save□□□□□Render Queue□□□

□□□

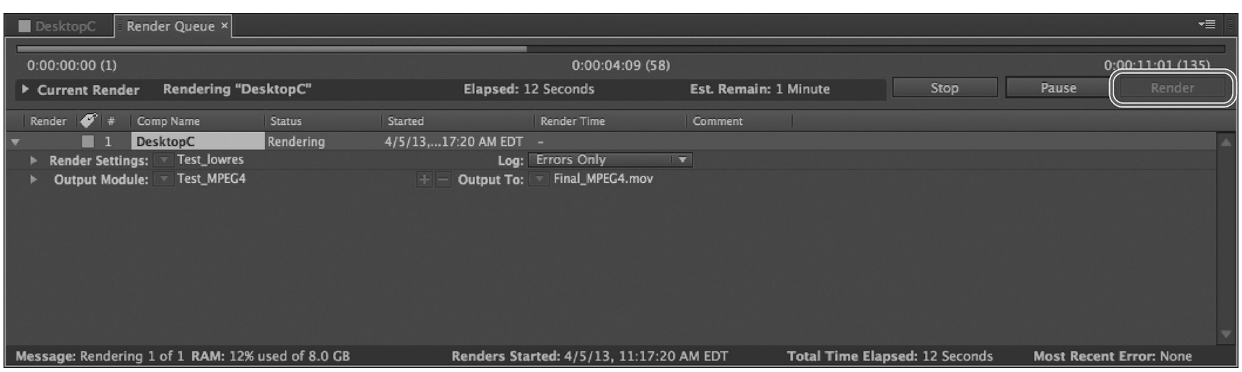
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8. □□File>Save□□□□□□□□□□14.12□□□



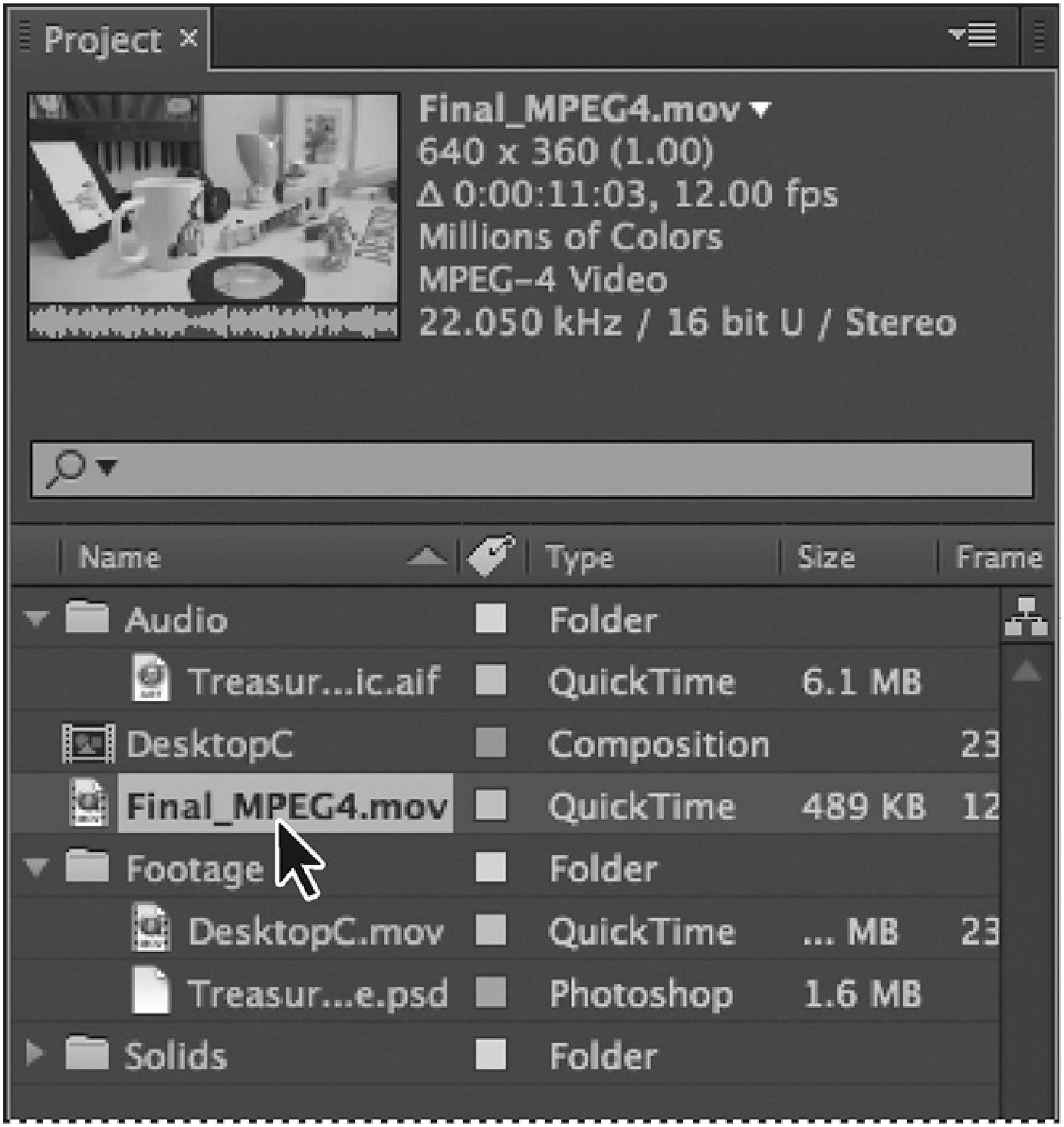
□14.12

9. □Render Queue□□□□□Render□□□After Effects□□□After Effects□□□□□□□□□□□□14.13□□□



□14.13

□□□□□□Final_MPEG4□□□□□□□□□□Project□□□□□□14.14□□□



□14.14

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□□

RAM Project

After Effects Apple iPod

Adobe Media Encoder

After Effects

After Effects

14.4 Adobe Media Encoder

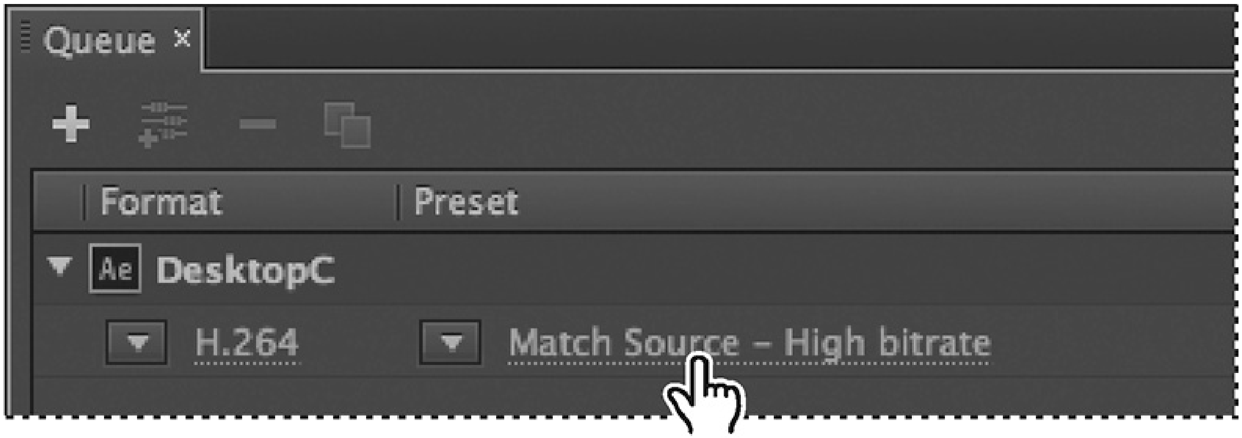
After Effects Adobe Media Encoder

14.4.1

1. DesktopC Composition>Add Adobe Media Encoder Queue

After Effects Adobe Media Encoder

2. Preset 14.15

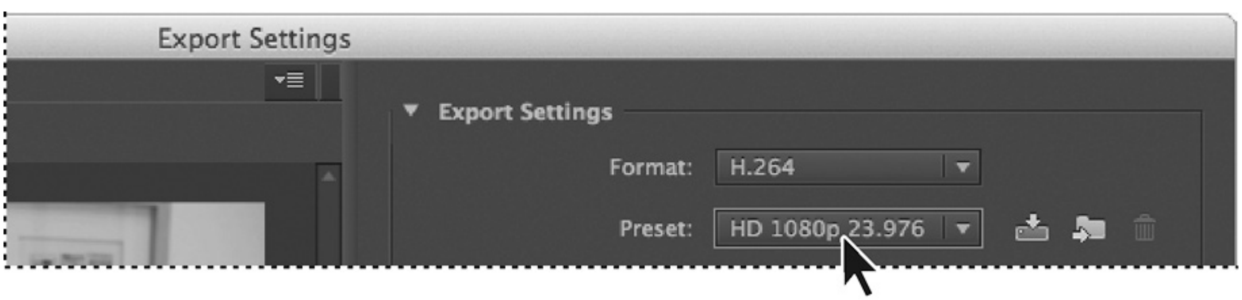


□14.15

Adobe Media Encoder□□□□□□□□

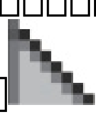
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>
> □□□Export Settings□□□□□□□□□□□□□□□□□□Queue□□□□Preset□□□□□□□□□□□

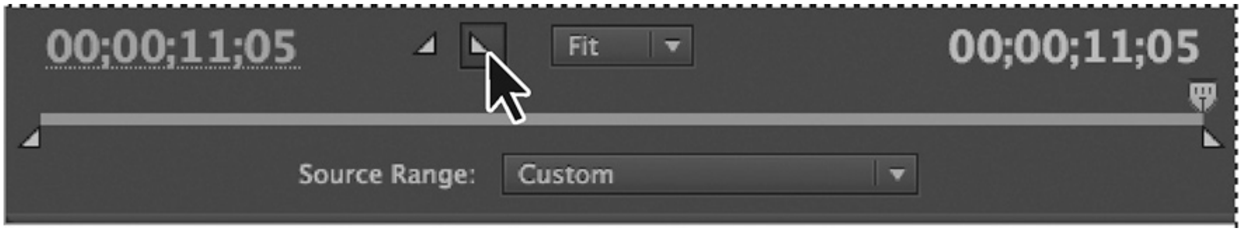
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□14.16

□□HD 1080p 23.976□□□□□□□□□□□□□□□□□□□□□□□□□□□□5□□□□□□□□□□□□□□□□□□Export Setteings□□□□□□□□□□□□□□□□□□□□□

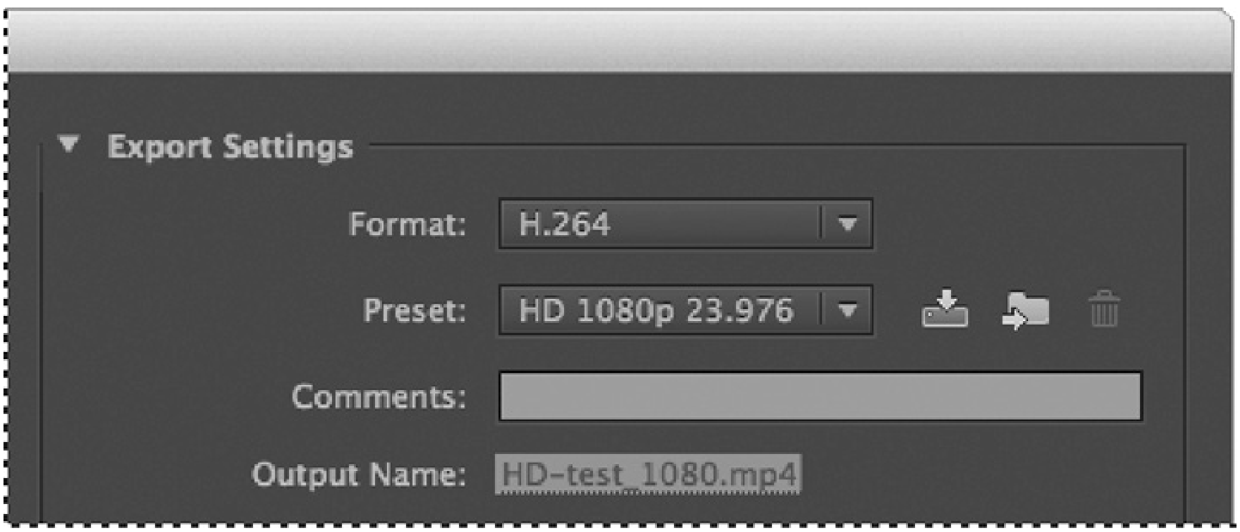
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□14.17

5. □□OK□□□□Export Settings□□□□

□□Output File□□□□□□□□□□□□HD-test_1080p.mp4□□□□AECC_CIB/Lessons/Lesson14/Final_Movies□□□□□□□□OK□Save□□□□□14.18□□□



□14.18

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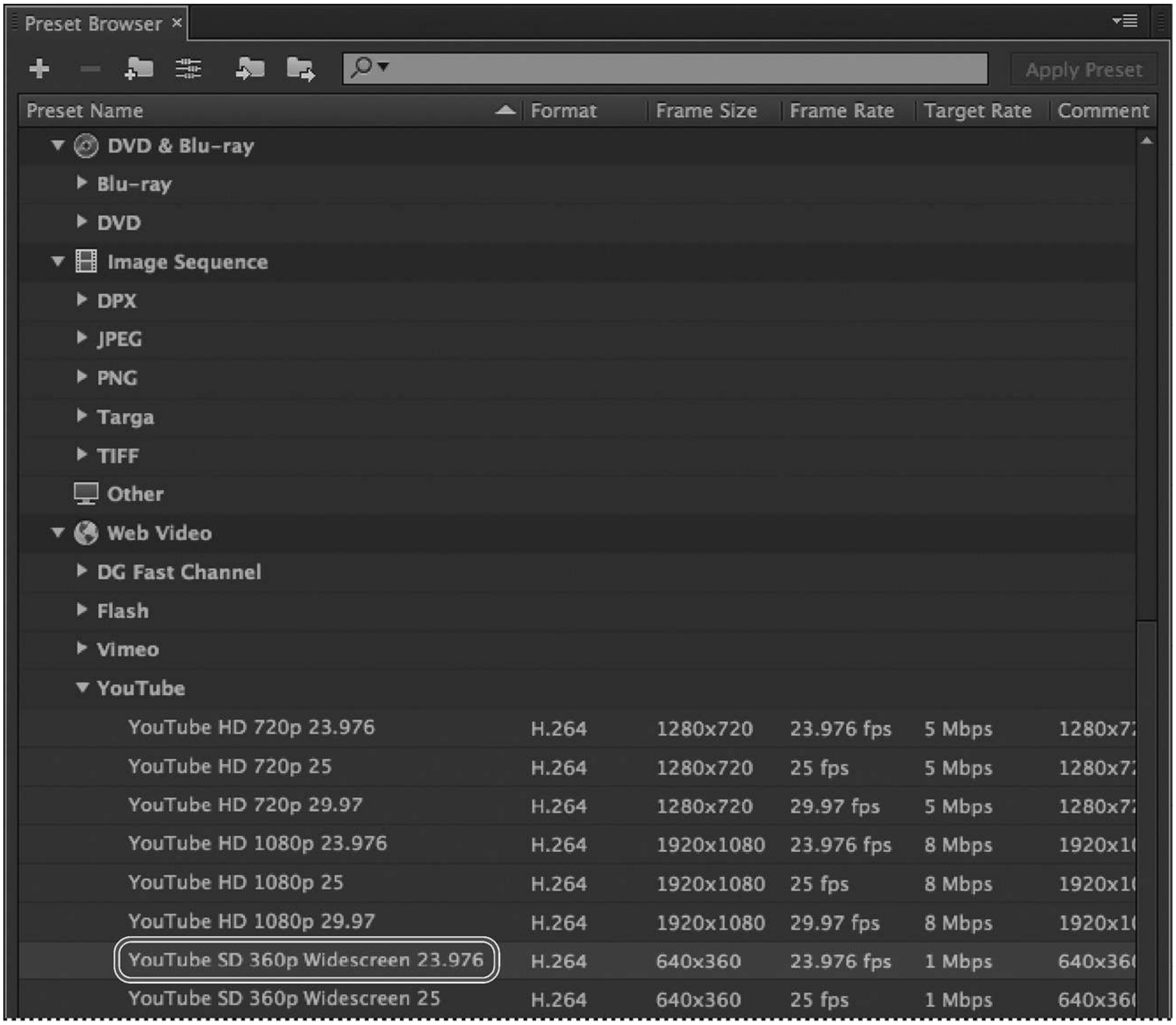
14.4.2 □□□□□□□□□□□□

Adobe Media Encoder□□□□□□□□□□□□□□□□□□□□□□□Web□□□□□□□□□□□□□□□□□□□□□YouTube□

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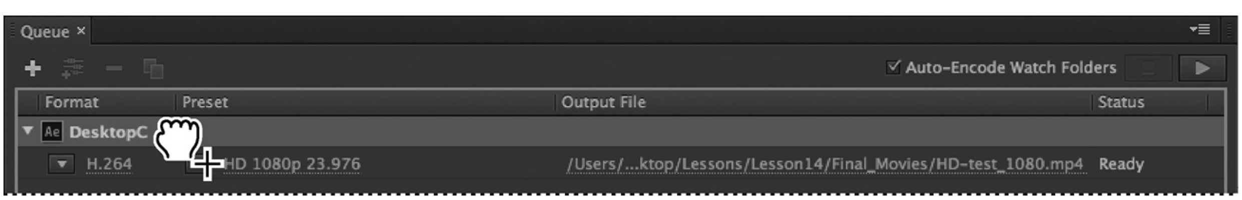
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1. □Preset Browser□□□□□□Web Video > YouTube > YouTube SD 360p Widescreen 23.976□□□14.19□□□

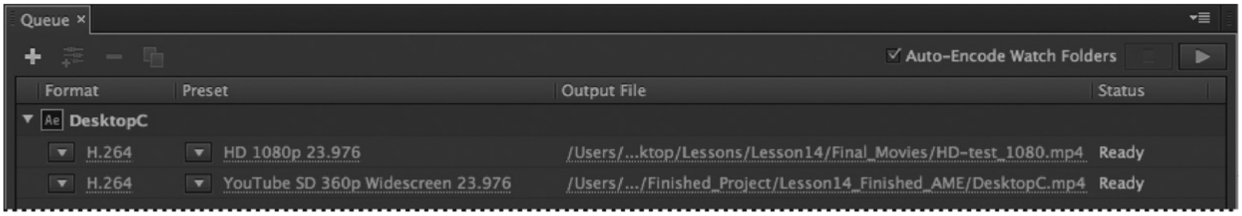


□14.19

2. □Queue□□□□□□YouTube SD 360p Widescreen 23.976□□□DesktopC□□□□□□□□14.20□□14.21□□□



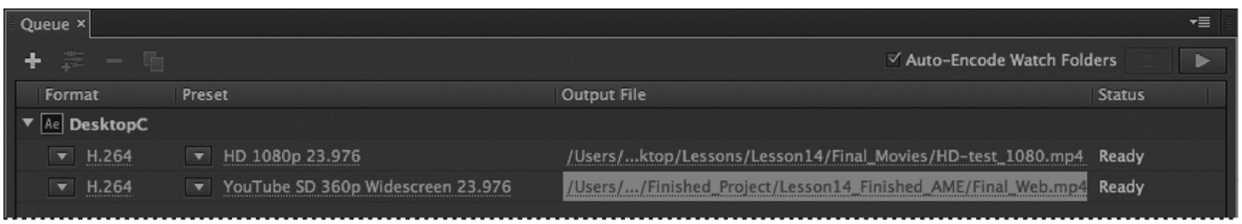
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□14.21

Adobe Media Encoder□□□□□□□□□□□□□□

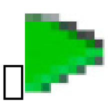
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□14.22

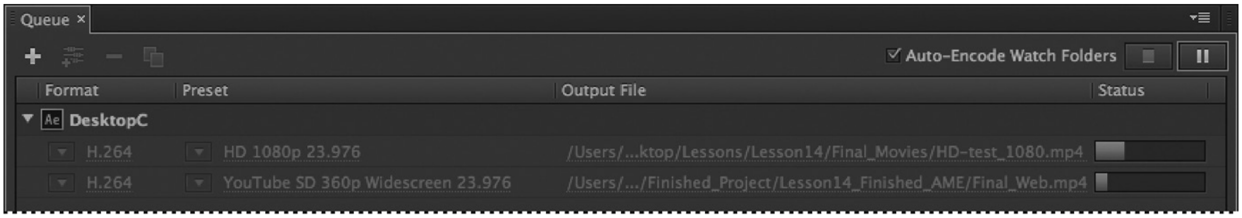
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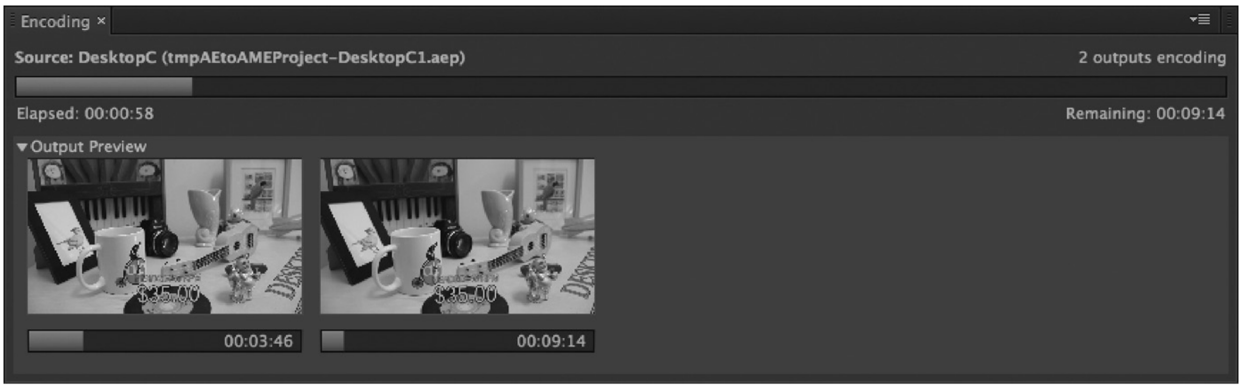
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Adobe Media Encoder□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□14.23□□14.24□□□



□14.23



□14.24

2. Adobe Media Encoder□□□□□□Finder□Explorer□□□□Final_Movies□□□□□□□□□□□□

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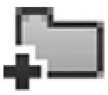
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Pixel Aspect Ratio Correction□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□Preferences□□□□Previews□□□□Zoom Quality□□□□□□□□□□□

14.4.4 □□□□□Adobe Media Encoder□□

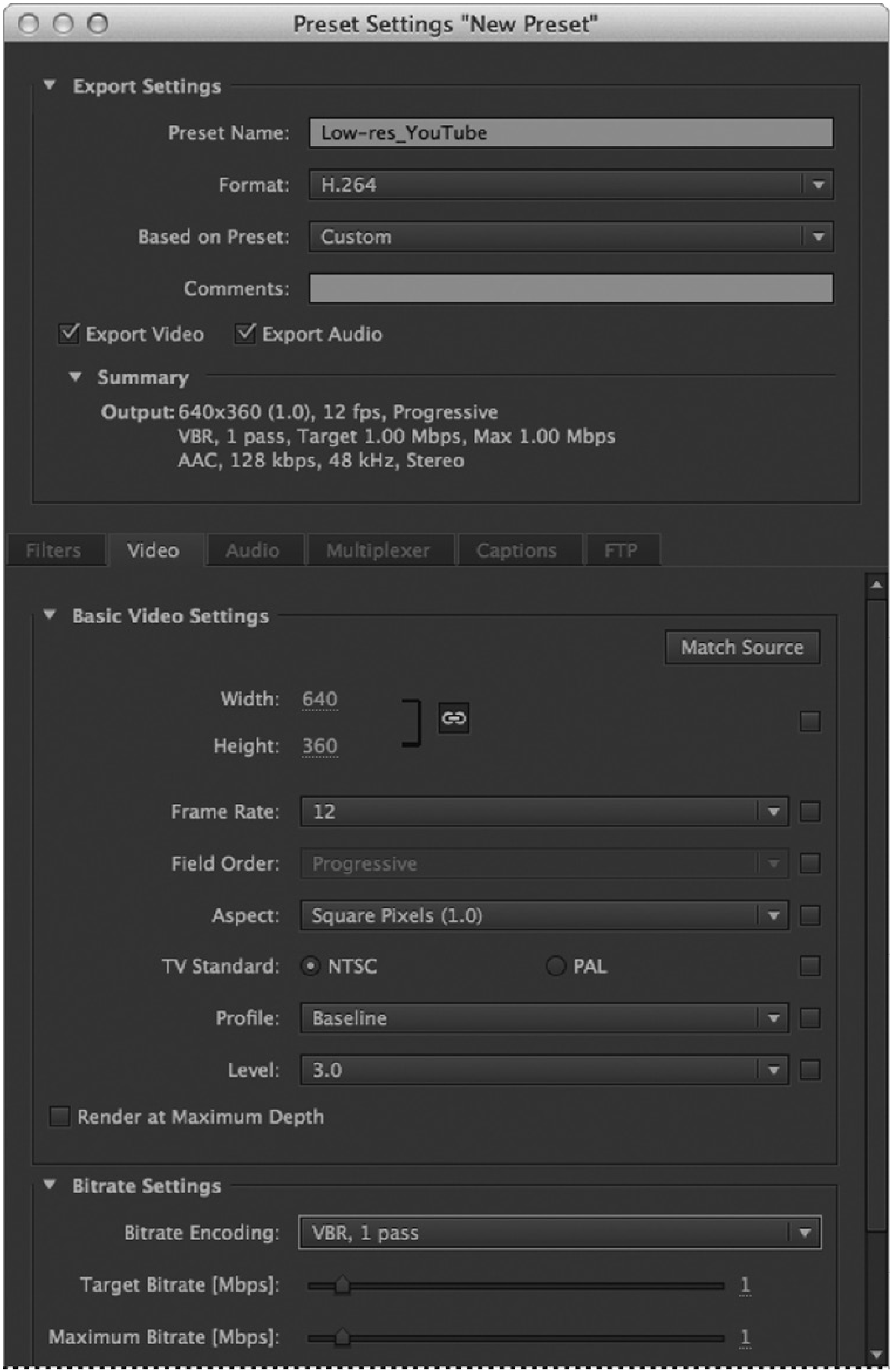
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1. □□Preset Browser□□□□□Create New Preset Group□□□

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2. □□Create New Preset□□□+□□

3. □Preset Settings□□□□□□□□□□□□□□□OK□□□□□14.25□□□


Preset Settings "New Preset"
Export Settings
Preset Name: Low-res_YouTube
Format: H.264
Based on Preset: Custom
Comments:
Export Video
Export Audio
Summary
Output: 640x360 (1.0), 12 fps, Progressive
VBR, 1 pass, Target 1.00 Mbps, Max 1.00 Mbps
AAC, 128 kbps, 48 kHz, Stereo
Filters
Video
Audio
Multiplexer
Captions
FTP
Basic Video Settings
Match Source
Width: 640
Height: 360
Frame Rate: 12
Field Order: Progressive
Aspect: Square Pixels (1.0)
TV Standard: NTSC
PAL
Profile: Baseline
Level: 3.0
Render at Maximum Depth
Bitrate Settings
Bitrate Encoding: VBR, 1 pass
Target Bitrate [Mbps]: 1
Maximum Bitrate [Mbps]: 1

□14.25

- □□□□□□Low-res_YouTube□
- □□□Format□□□□□□H.264□
- □Based On Preset□□□□□□YouTube SD 360p Widescreen 23.976□
- □Frame Rate□□□□□□12□
- □Profile□□□□□□Baseline□
- □Level□□□□□□3.0□
- □Bitrate Encoding□□□□□□VBR□1 Pass□□□□□□□□□□□□□□□
- □□Audio□□□□□14.26□□□□Sample Rate□□□□□□□□□□ 44100Hz□□Audio Quality□□□□□Medium□□□□□□



□14.26

4. □Queue□□□□□□Low_res_YouTube□□□DesktopC□□□□□□

5. □□Output File□□□□□□□□□□□□Lowres_You Tube□□□□□□□ □□AECC_CIB/Lessons/Lesson14/Final_Movies□

6. □□Start Queue□□□

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7. Adobe Media Encoder□□□□□□□□Explorer□Finder□□□□□
Final_Movies□□□□□□Lowres_YouTube□□□□□

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14.5 □□□□□

14.5.1 □□□

1. □□□□□Render Queue□□□□□□□□□□□□□□□□□□□□□□□□□□□
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2. □□□□□□□□□□□□□□□□□□□

3. □□Adobe Media Encoder□□□□□□□

14.5.2 □□□□

1. □After Effects□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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3. □□Adobe Media Encoder□□□□□□□□After Effects□□□□□□□
□□□□□□□□Composition > Add□□□□□Adobe Media Encoder

Queue□□□Adobe Media Encoder□□□□□□□□□□□□□□□□□□□□□□□□
□□□Start Queue□□□

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异步社区的来历

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